

Release in Full

Region 8



64430

108-025-08 ENFORCEMENT ACTION FILES  
207b UIC - EAST POPLAR OIL FIELD ENFORCEMEN  
SDWA SEC. 1431  
Folder ID:64430 1981 Privileged

Region 8



64430

2

1

10

100

1000

(200)  
Charles  
Czarc

5800

Caliper

GH

TENSION CURVE

MSFL

5900

$H_s$

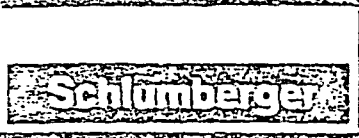
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GR FR

MAR02-0536

MAR-536





SIMULTANEOUS  
DUAL-LATEROLOG  
MICRO-SFL

COUNTY FIELD LOCATION WELL COMPANY	ROOSEVELT	COMPANY		TEXAS OIL AND GAS CORP.	
	EAST POPLAR			PRODUCTION DEPT.	
	SEC. 22-28N-51E	WELL		BUCKLES NO. A-1	
	BUCKLES NO. A-1	FIELD		EAST POPLAR	
	TEXAS OIL & GAS	COUNTY		ROOSEVELT STATE MONTANA	
LOCATION	1980' FNL - 1980' FWL		Other Services:		
			FDC/CNL/GR		
			INT/BHC/GR		
API SERIAL NO.	SEC.	TWP	RANGE		
	22	28N	51E		

Permanent Datum:	GI	Elev.:	2085	Elev.:	K.B. 2097
Log Measured From	KB 12	ft. Above Perm. Datum		D.F.	---
Drilling Measured From	KB			G.L.	2085

Date	4-16-81				
Run No.	ONE				
Depth-Driller	5938				
Depth-Logger (Schl.)	5944				
Btm. Log Interval	5943				
Top Log Interval	1220				
Casing-Driller	8-5/8@ 1214	@	@	@	@
Casing-Logger	1220				
Bit Size	7-7/8				
Type Fluid in Hole	SALT-LOW SOLIDS				
Dens.	Visc.	11.3	41		
pH	Fluid Loss	6.4	6 ml	ml	ml
Source of Sample	MUD TANK				
Rm @ Meas. Temp.	.056 @ 68 °F	@	*F	@	*F
Rmf @ Meas. Temp.	.049 @ 68 °F	@	*F	@	*F
Rmc @ Meas. Temp.	.084 @ 68 °F	@	*F	@	*F
Source: Rmf	Rmc	M	C		
Rm @ BHT	.022 @ 188°F	@	*F	@	*F
Circulation Stopped	4-16-0600				
Logger on Bottom	4-16-0920				
Max. Rec. Temp.	188 °F		*F		*F
Equip.	Location	8135	WLSN-4109		
Recorded By	SACHAU				

MAR02-0538

MAR-538

# GAS PRODUCTION RECORD

BUCKLES "A" #1

P&A

TXO-82

State Montana  
County Roosevelt

Field East Poplar  
Pool

Month	Gas Production	Cumulative Gas Production	Condensate Production	Cumulative Condensate Production	Gas - Liquid Ratio	Shut-in Pressure		Test Date	Hours Shut In
						Surface	Bottom Hole		
Cumulative				8022					
Jan. 81									
Feb.									
Mar.									
Apr.									
May			1250	1250					
Jun.			449	1699					
Jul.			908	2607					
Aug.			610	3217					
Sep.			520	3737					
Oct.			500	4237					
Nov.			394	4631					
Dec.			384	5015					
Total									
Jan. 82			424	5439					
Feb.			0	5439					
Mar.			19	5508					
Apr.			128	5636					
May			0	5636					
Jun.			0	5636					
Jul.			0	5636					
Aug.			0	5636					
Sep.			9	5645	36.44				
Oct.			18	5663	10.94				
Nov.			1	5664	18				
Dec.			21	5685	13.33				
Total			1444						
Jan. 83			0	6459					
Feb.			0	6459					
Mar.			0	6459					
Apr.			17	6476	20.15				
May			0	6476					
Jun.			0	6476					
Jul.			21	6497	23				
Aug.			22	6519	11.27				
Sep.			30	6549	10.13				
Oct.			31	6580	8.92				
Nov.			13	6593					
Dec.			0	6593					
Total			124	1721					
Jan. 84			0	8190					
Feb.			0	8237					
Mar.			0	8237					
Apr.			0	8237					
May			0	8237					
Jun.									
Jul.									
Aug.									
Sep.									
Oct.									
Nov.									
Dec.									
Total									

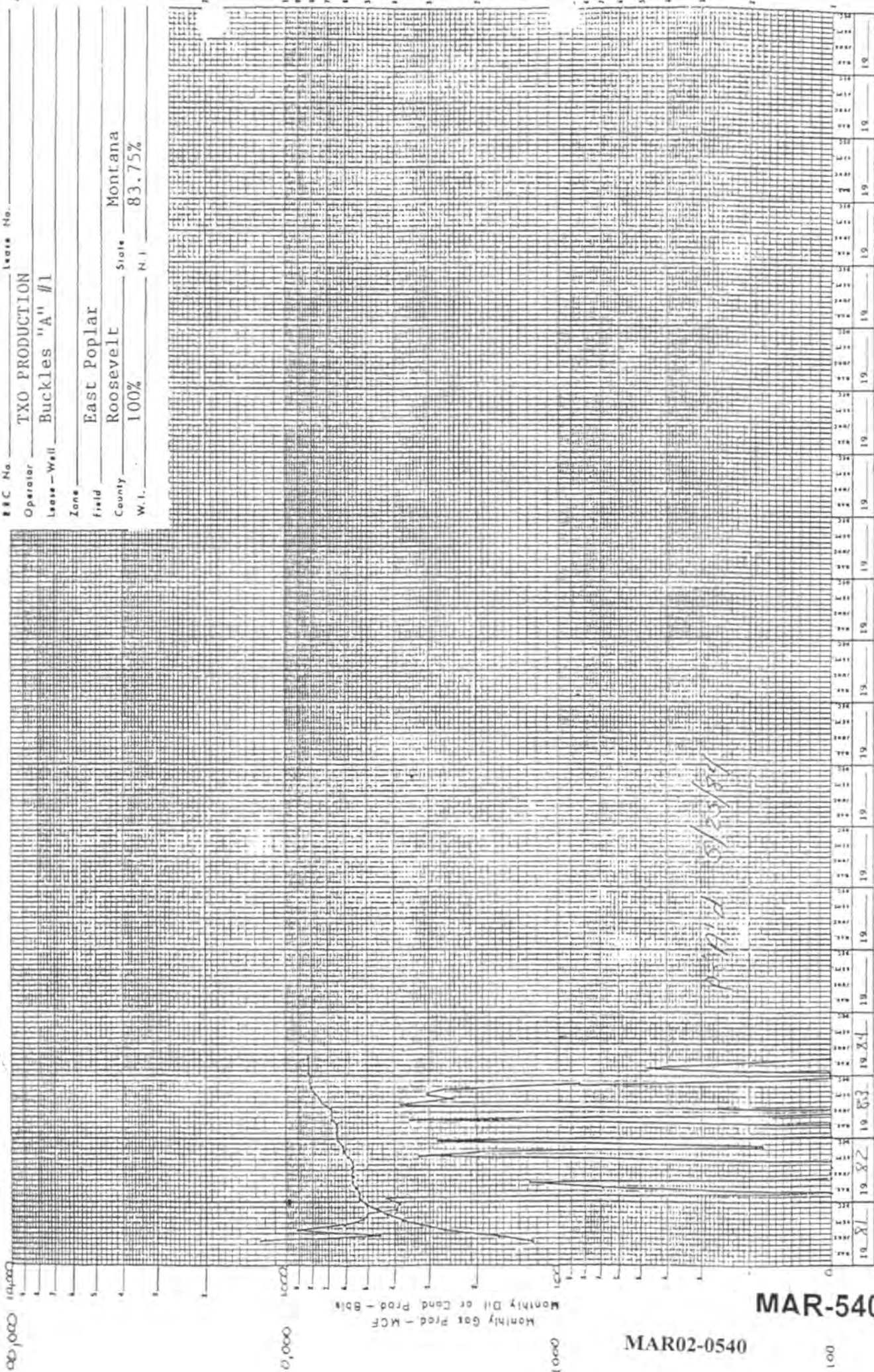
P&A'd 5/25/84

MAR02-0539

MAR-539

# Texas Oil & Gas Corp.

REC No. \_\_\_\_\_ Lease No. \_\_\_\_\_  
 Operator TXO PRODUCTION  
 Lease-Well Buckles "A" #1  
 Zone \_\_\_\_\_  
 Field East Poplar  
 County Roosevelt State Montana  
 W.I. 100% 83.75%  
 N.I. \_\_\_\_\_



MAR02-0540

MAR-540

PRODUCTION CURVE  
 TXO-124

# MONTANA/NORTH DAKOTA PROJECT REPORT

Page 1

## MONTANA DRILLING:

BUCKLES "A" # 1 (6000')  
Prop. \$46529, AFE #81-0514  
Roosevelt Co, MT

4/2/81	135' (135'). Washing Over Fish. Surface. Spud 4 pm, 4/1/81. Drld to 135'. Pipe stuck. Cut off DP 5' below Kelly. P. U. washpipe, washed to 73'. (CWC \$32,500). Day 1
4/3/81	1200' (1065'). Drlg. Surface. 8.5/49. Washed over drill collars, ran overshot and pulled fish. Start drilling 2 p.m. Day 2. (CWC \$63,860).
4/4/81	1240' (40'). WOC. Surface. Fin drlg surf hole. Ran 27 jts 8-5/8" csg. Set @ 1220'. Cmted w/900 sks Class "G" w/2% CaCl, 1/4#/sk Celoseal, & 10#/sk Gilsonite. Lost circ when began displacement. Never recovered returns. Cmt annulus w/100 sks Class "G" cmt w/3% CaCl. Got full returns. Cmt appeared to hold. WOC 8 hours. Cut off conductor pipe. Had 1/2" stream wtr flow. Day 3. (CWC \$97,414).
4/5/81	1240'. Re-cmted annulus w/150 sks 50-50 Calseal. Cmt held wtr flow. WOC 6 hours. Cut off csg & began NU BOP. Day 4. (CWC \$110,248).
4/6/81	2719' (1479'). Drlg. Muddy. Pressure tested BOP to 500#. Held O.K. Day 5. (CWC \$142,428).
4/7/81	3483' (764'). Drlg. Dakota. 10.0/34/27. 1/2" @ 3125'. No hole problems on trip. Day 6. (CWC \$166,734).
4/8/81	3854' (371'). Drlg. Dakota. 10.4/36/27. 3/4" @ 3756'. Tagged light bridge in Dakota on Bit #3 TI. Day 7. (CWC \$177,840).
4/9/81	4345' (491'). Drlg. Reirdon. 10.2/33/36. Day 8. (CWC \$191,771).
4/10/81	4667' (322'). Drlg. Rierdon. 10.2/31/24. 1" @ 4630'. Day 9. (CWC \$201,423).

MAR02-0541

MAR-541

MONTANA/NORTH DAKOTA PROJECT REPORT  
Page 2

MONTANA DRILLING:

BUCKLES "A" # 1(6000')  
Prop. \$46529, AFE #81-0514  
Roosevelt Co, MT

4/11/81 5024' (357'). Drlg. Tyler.  
10.3/32/13. Day 10. (CWC \$213,130).

4/12/81 5387' (363'). Drlg. Kibbey Sand.  
10.4/32/10. Day 11. (CWC=  
\$224,131).

4/13/81 5580' (193'). Drlg. Charles "A".  
10.4/39/12. Day 12. (\$231,627).

4/14/81 5795' (215'). Drlg. Charles.  
10.4/37/17. 3/4" @ 5592'. Day 13.  
(CWC \$240,423).

4/15/81 5840' (45'). Trip Out DST.  
Charles. Drld to 5790', drlg  
break 7 min/ft to 2 min/ft 5790'  
5812', lost 200 bbls mud into  
drlg brk interval, drld to 5840'  
C&C for DST #1, RU Johnston Testers,  
IF 15", ISI 30", FF 6", FSI 60",  
initial flow open w/strong blow,  
final flow open w/mud to surface in  
6 mins., reversed out DP, rec mud  
w/HGC&OC MW. Day 14. (CWC \$253,779).

4/16/81 5937' (97'). Logging. Charles "C".  
DST #1, Charles "C", 5780-5840',  
initial flow 15 min w/immediate  
strong blow inc to 110" wtr press in  
3 min continue til 15 min, initial  
SI 30 min w/continued strong blow,  
final flow 6 min w/110" wtr press in  
1 min & full 2" stream of mud flowing  
in 6 min, final SI 60 min, Reverse  
out DP, rec GC & Sli OCMW inc toHGC &  
OCMW, final rec HGC & OCMW (app 20-50%  
oil). Sampler rec 350 cc clean oil  
1700 cc SW, .15 cuft gas w/25 psi.  
IF=1390 psi, ISI=2943 psi, FF=2380 psi  
FSI=2933 psi, BHT=240° F. TIH -  
& drill to 5937', lost circ 300  
bbls mud @ 12:30 am, mix LCM C&C,  
repair circ @ 5 am, TOOH, RU  
Schlumberger to start logging.  
Day 15. (CWC \$267,113).

MAR02-0542

MAR-542

MONTANA/NORTH DAKOTA PROJECT REPORT

Page 3

MONTANA DRILLING:

BUCKLES "A" #1 (6000')  
 Prop. \$46529, AFE #81-0514  
 Roosevelt Co, MT/TXO 100%  
 22-T28N-R51E, Bird Rig #2

- 4/17/81 5937'. Cem Csg. Charles "C". Ran logs; CNL-FDC, DLL-MSFL, BHC, C&C to run csg. Ran 20 jts 5½", 17#, K-55, ST&C, & 102 JTS 5½", 15.5#, K-55, ST&C, w/guide shoe @ 5933' float collar @ 5892, and DV tool @ 5200'. Ru Western Co., cem 1st stage w/120 sx 1-2 Talc cmt w/20 bbl mud flush, 10% salt, .6% CF2, .3% WR15, 2% CaCl<sub>2</sub>, 35% silica flour, 1½#/sk Permachek, bump plug w/1500 psi, open DV tool & circ 4 hrs. Day 16. (CWC \$346,472).
- 4/18/81 5937'. RD. Cem 2nd stage w/10 bbl mud flush, 340 sx TXI Lite cmt & 100 sx Class "G" cmt w/10% salt, .6% CF2, 2% CaCl<sub>2</sub>, 1½#/sk Permachek, pump plug w/SW, press to 2500# @ 1:15 pm 4/17/81. WOC to 9 pm, cut off csg, rel rig. Day 17. (CWC #373,030).  
 WOCR.
- 4/21/81 WOCR. (CWC \$373,030).  
 4/22/81 WOCR. (CWC \$373,030).  
 4/23/81 WOCR. (CWC \$373,030).  
 4/24/81 WOCR. (CWC \$373,030).  
 4/25/81-4/27/81 WOCR. (CWC \$373,030).
- 4/28/81 MIRU Gibson Well Service, Instld wellhead, pick up bit & scraper, start in hole w/2-7/8" tbg. SDFN. (CWC \$421,030)
- 4/29/81 Drld out DV tool @ 5180', SD due to high winds. (CWC \$424,010).
- 4/30/81 Cleaned out casing to PBTD @ 5870', Circ hole w/inhibited pkr fluid. SDFN. (CWC \$428,138).
- 5/1/91 Pulled tbg. RU Schlumberger Wireline. Wireline truck failed. Unable to get repaired. SDFN. Prep to RIH w/tbg & pkr Friday. (CWC \$431,456).

MAR02-0543

MAR-543

May 5, 1981

TXO COMPLETION:

BUCKLES "A" #1 (6000')  
 Prop. #46529, AFE #81-0514  
 Roosevelt Co, MT/TXO 100%  
 22-T28N-R51E

5/2/81 RU Schlumberger, ran GR-CCL log, PBSD @ 5872' (correction from 4-30-81 report). Ran on wireline Baker Model "F" pkr w/BH assembly Set pkr @ 5610, btom TP @ 5670', Ran 2 7/8" EUE tbg w/Baker locator-seal assembly, stung into pkr, installed wellhead. Pressure test annulus to 2000 psi, & tbg to 4000 psi, held ok. RU Schlumberger, fished plug from tailpipe nipple. Perforated 5 1/2" csg @ 5796-5800' w/4 JSPF - 17 shots w/thru-tbg hollow carrier gun, no pressure, SDFN. (CWC: \$452,665).

5/3/81 SITP = Ø, FL @ 100', Swabbed tbg vol, no fillup. RU pump truck, broke down perms w/wtr at 900 psi, ISIP = 300 psi, no flow @ surface, Swabbed tbg vol, 100' fillup in 20 min. w/20% oil and gas cut wtr. RU CE Natco rental separator to tanks & flare pit. SDFN. (CWC: \$455,584).

5/4/81 SDFWE (CWC: \$455,584).

5/5/81 SITP=650 psi, FL @ surface, swbd 2 hrs. rec 33 BF 90% oil, 100 ft. fillup per hr. RU Western Co, acidize w/250 gals 15% Spearhead acid, max TP=900 psi @ 0.2 BPM, broke down to 150 psi @ 0.7 BPM, ISIP=100 psi, 15 min ISIP=50 psi. Flowed back load to tanks, turned flow to separator, flowed 140 BF w/60% oil in 1 hr, 20/64" ck, FTP=300 psi, sep press= 40 psi. SDFN. (CWC \$459,920).

5/6/81 SITP=500 psi, Flowed 269 BO & 895 BW in 22 hrs, 12/64" ch, FTP=470 psi. Rel. Rig. (CWC: \$461,670).

5/7/81 Flowed 90 BO & 880 BW in 24 hrs, 12/64" ch, FTP=450 psi. (CWC: \$461,670).

5/8/81 Flowed 70 BO & 992 BW in 24 hrs. 12/64" ck. & FTP 440 psi. (\$461,670).

5/11/81 Flowing 12/64 ch, 415 psi FTP, 82 BO, 887 BW 24 hrs. FINAL REPORT. (\$461,670).

(TIGHT HOLE)

MAR-544

MAR02-0544

Buckles "A" #1 (6000')

9/13/82

Re contour overflow pit, replace pit liner. Build burn around pit to keep rain run off erosion to minimum.

9/14/82

Start replacing flow line from wellhead to treater w/ A.O. Smith 3" silver thread fiberglass line, left old line in ground. Replace all six (6) valves on injection pump, replace liners (3) in pump.

9/15/82

thru

9/21/82

Finish line from wellhead to treater. Also replace line from treater to injection pump. Press test. OK. Back fill on top of lines.

9/22/82

Produce well on 12/64" ch. Make 150 BO & 1400 BW in 24 hrs. SWI to haul 800 BO.

9/23/82

Produce well for 8 hrs on 12/64" ch. Made 40 BO & 1400 BW. Will install salt wtr injection barrel counter and pulsation dampener today.

MAR02-0545

MAR-545

Buckles A Reserve Estimate

$$\begin{aligned} \text{Officer } 159 \text{ MED} \times .80 &= 127.2 \\ \times .833 &= 106.0 \end{aligned}$$

MAR02-0546

MAR-546

DATE: 4/2/81 WELL NAME & NO.: Buckles "A" #1 COUNTY: Roosevelt  
NO.: 81-0514 LOCATION: SE NW Sec. 22, T28N, R51E STATE: Montana  
LOG: E. Poplar TOTAL DEPTH: 6000' ELEV.: 2085' GL  
KB

C A S I N G   P R O G R A M

PLIER & LOCATION: Texas Oil & Gas Corp. stock

STRING	SIZE	LENGTH OF SEC.	WEIGHT	GRADE	COUPLING	THREAD	HOLE SIZE
Surface	8 5/8"	1200'	24#	K-55	ST&C		12 1/4"
Production	5 1/2"	5200' 800'	15.5# 17#	K-55 K-55	ST&C ST&C	8rd 8rd	7 7/8" 7 7/8"

C E M E N T I N G   P R O G R A M

PANY: Western Company

STRING	TYPE OF CEMENT	SPECIAL EQUIPMENT
Surface	Class "G" w/ 2% CaCl <sub>2</sub>	guide shoe & float collar w/ 4-6 centralizers
Production	Class "G" w/ 2% CaCl <sub>2</sub>	guide shoe & float collar w/ centralizers TD to 100' above pay zone.

S A M P L E   A N D   D R I L L I N G   T I M E   P R O C E D U R E

30' samples from surface casing to 4800'

10' samples from 4800' to TD.

M U D   P R O G R A M

PANY: American Mud

INTERVAL	TYPE	MUD WT PPG.	VISC. FUNNEL SEC.	W.L. CC/30"	LCM PPB	PV/YP	PH
0 - 1200'	water	8.7-9.0	30-36				
1200 - 3150'	salt water	9.0-9.6	28-34				
3150' - 5300'	brine mud	9.4-10.0	30-36	12-20			
5300' - T.D.	satur. salt mud	10.0-10.5	32-40	< 12			

MAR02-0547  
MAR-547

## LOGGING PROGRAM &amp; ESTIMATED FORMATION TOPS

COMPANY: Schlumberger

FORMATION	DEPTH	TYPE LOG	INTERVAL
JUDITH RIVER	730'	DLL - SP - Micro SFL	1200' - 6000'
EAGLE	1180'		
MUDDY	2798'		
DAKOTA	3230'	FDC CNL - GR - CAL	4500' - 6000'
RIERDON	4142'		
TYLER	4880'		
KIBBEY Sd	5194'		
CHARLES	5486'		
CHARLES A	5556'		
CHARLES B	5674'		
CHARLES C	5826'		

## TESTING AND CORING PROGRAM

COMPANY (Testing): Johnston Testers

COMPANY (Coring): None

PROCEDURE: Possible DST in Charles "C" zone.

MULATION COMPANY:

RF., CORRELATION &amp; BOND LOG COMPANY:

## PERSONNEL

NAME	HOME PHONE	OFFICE PHONE
XXXXXXXXXX Ron Becker	(406) 259-8599 (Mobile) (406) 656-3260 652-3623	(406) 248-4330
Mike Walen	(406) 652-2405	(406) 248-4330
Leo Heath	(406) 656-9917 (406) 259-8620 (Mobile)	" " "
Mike Perius	(406) 765-1428 (701) 939-8419 (Mobile)	

## MISCELLANEOUS

Loads and location inspected by: Leo Heath &amp; Mike Perius before MIRT.

# DAILY DRILLING REPORT

DATE 5-8-81

DAY \_\_\_\_\_

OPERATOR TXO

WELL Buckhorn "A" #1

DEPTH \_\_\_\_\_ OPERATIONS REPORT TIME \_\_\_\_\_

          -           FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: \_\_\_\_\_

MUD: WT\_\_\_\_; VIS\_\_\_\_; WL\_\_\_\_; FC\_\_\_\_; PH\_\_\_\_; SOLIDS\_\_\_\_; CL\_\_\_\_; PV\_\_\_\_

YP\_\_\_\_; GELS\_\_\_\_; OIL\_\_\_\_; LCM\_\_\_\_; \_\_\_\_\_

[illegible]

WEIGHT ON BIT \_\_\_\_\_ RPM \_\_\_\_\_ NO. 1 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM  
 NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: 12/64" cK at 440 #  
PRES. TF 1,062  
70 BO 992 BW  
690 oil cut.

DAILY COSTS

RIG \_\_\_\_\_

MUD \_\_\_\_\_

WATER \_\_\_\_\_

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_

CEMENTING \_\_\_\_\_

RENTALS \_\_\_\_\_

MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0549

DAILY TOTAL  
CUMULATIVE

MAR-549

DATE 5-7-81 WELL NAME BUCKLES "A" #1 OPERATOR TXO

DRILLING        COMPLETIONS X OPERATIONS       

Flowed 90 Bn and 880 BW in 24 hrs,  $12/64"$  ch,  
FTP = 450 psi.

MAR02-0550

MAR-550

DATE 5-6-81 WELL NAME BUCKLES "A" #1 OPERATOR TXO

DRILLING        COMPLETIONS X OPERATIONS       

SITP = 500 psi, Flowed 269 Bo + 895 Bw in 22 hrs, ~~630~~  
12/64" ch, FTP = 470 psi.  
Released rig.

DWC = \$ 1750

459,930  
1,750  
\$461,680

MAR02-0551

MAR-551

E 5-5-81 WELL NAME BUCKLES A #1 OPERATOR TXO  
DRILLING    COMPLETIONS X OPERATIONS   

SITP = 650 psi, FL @ surface, swabbed 2 hrs rec. 33 BF 90% oil  
100 ft fillup per hr.

RV Western Co, acidized w/ 250 gals 15% spearhead acid,  
max TP = 900 psi @ 0.2 BPM, broke down to 150 psi @ 0.7 BPM,  
ISIP = 100 psi, 15 min ISIP = 50 psi.

Flowed back load to tanks, turned flow to separator,  
flowed ~~140~~ BF w/ 60% oil in 1 hr, 20/64" ch, FTP = 300 psi,  
sep. press = 40 psi. SDFN.

DWC # 4336

455,584  
4,336  
\$ 459,920

MAR02-0552

MAR-552

5-3-81 WELL NAME Buckles "A" #1 OPERATOR TXO

DRILLING    : COMPLETIONS X OPERATIC 3

SITP = 0 ; FL @ 100' ; Swabbed the vol, no filling.

RV pump truck, broke down perfs w/ wtr to 900 psi, ISIP = 300 p  
no flow @ surface ; Swabbed the vol, 100' fillup in 20 mins w/  
20% oil and gas out wtr. Rig in CE Noto rental separation to tanks +  
flow pit. SDFN

DWC = \$2919

452,665

2,919

455,584

5-4-81

SDFNE

455,584

MAR02-0553

MAR-553

TE 5-2-81 WELL NAME Buckles "A" #1 OPERATOR TXO

DRILLING . COMPLETIONS, X OPERATIC 3

RV Schlumberger, ran GR-CCL log, PBD @ 5872' (correction for 4-30-81 report). Ran on wireline Baker Model "F" pkr w/ B4 assembly set pkr @ 5610', btm TP @ 5670'. Ran 2 7/8" EUE log w/ Baker locate seal assembly, stung inter. pkr, installed wellhead.

Pressure test annulus to 2000 psi, + log to 4000 psi, held OK.

RV Schlumberger, fished plug from tailpipe nipple.

Perforated 5 1/2" log @ 5795-5800' w/ 4 JSPF - 17 shots w/ three-ty hollow carrier gun, no pressure, SDFN.

DWC = \$21,209

431.456

21,209

45266.5

MAR02-0554

MAR-554

# DAILY DRILLING REPORT

DATE 5-1-81

DAY \_\_\_\_\_

OPERATOR TXO

WELL Buckles "a" #1

DEPTH \_\_\_\_\_ OPERATIONS REPORT TIME \_\_\_\_\_

\_\_\_\_\_ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: \_\_\_\_\_

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_; \_\_\_\_\_

(DC #3,318) -

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT \_\_\_\_\_ RPM \_\_\_\_\_ NO. 1 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

NO 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Pulled the RU Sch  
Wireline & Wireline truck  
failed. SDFD - Unable  
to get & repaired. SDFD  
starting over - run  
depth tie-in trip.  
del Baker Model F  
drill.

Prep to  
R/H w/ tbs & plv. Friday

## DAILY COSTS

RIG \_\_\_\_\_

MUD \_\_\_\_\_

WATER \_\_\_\_\_

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_

CEMENTING \_\_\_\_\_

RENTALS \_\_\_\_\_

MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0555

MAR-555

DAILY TOTAL

CUMULATIVE

DATE \_\_\_\_\_ WELL NAME \_\_\_\_\_ OPERATOR \_\_\_\_\_

DRILLING \_\_\_\_\_ COMPLETIONS \_\_\_\_\_ OPERATIONS \_\_\_\_\_

9428,138

3318

9431,456

MAR02-0556

MAR-556

D- 4-30-81 WELL NAME Burkles "A" #1 OPERATOR TXO  
DRILLING \_\_\_\_\_ COMPLETIONS X OPERATIONS \_\_\_\_\_

Cleaned out casing to PBTD @ 5920', Circ hole w/ inhibited phr  
fluid. SDFN

DWC = \$ 4,138

424,010  
4,138  
\$428,138

MAR02-0557

MAR-557

" 4-30-81 = Buckles "A" #1

Picked up Baker 4 3/4 bil & scraper.  
Dred & washed to str. Giv. hole  
w/pkr. fluid. SDFX.

\$4,128 DWG

MAR02-0558

MAR-558

DATE 4-29-81 WELL NAME DUCKIES TA-1 OPERATOR TXO

DRILLING    COMPLETIONS X OPERATIONS   

Drilled out DV tool @ 5180', SD due to high winds.

DWC = \$ 2980

rig \$2200

with 280

421,030

chemical 200

2,980

retest 100

\$424,010

MAR02-0559

MAR-559

DATE 1-28-01 WELL NAME DUCKLES 11 OPERATOR 11  
DRILLING \_\_\_\_\_ COMPLETIONS X OPERATIONS \_\_\_\_\_

MIRU Gibson Well Service installed wellhead, pick up bit & scraper,  
starts in hole w/ 2 7/8" Htz. SDFN.

DWC = \$48,000

rig = \$1100

tbl = \$36,000

trans & rental =

wellhead = \$10,000

373,030

48,000

\$421,030

MAR02-0560

MAR-560

4-21-81

Buckles "A" #1

WOCR

Hermanson #1 - Preparing to start pumping unit.

Robs #1 - Started pumping unit. Vibration problem with gas engine.  
Repairing gas engine base.

Jaaren #1 - Pumped 12 BW + 13 BW in 24 hrs. W.O. pulling unit to acidize.

Sawyer St. #1 - Pumped 10 BW + 13 BW in 10 hrs. Preparing to rig up to change pump & downhole equip.

MAR02-0561

MAR-561

# DAILY DRILLING REPORT

DATE 4-18-81

DAY 17

OPERATOR TXO

WELL Buckley "A" #1

DEPTH 5937' OPERATIONS REPORT TIME Rig Down

\_\_\_\_\_ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: \_\_\_\_\_

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_; \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT \_\_\_\_\_ RPM \_\_\_\_\_ NO. 1 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Cement second stage w/ 10 bbl mud  
flush, 340 SX TXI Lite cmt + 100 SX Class "G"  
cmt w/ 10% salt, .6% CF2, 2% CaCl<sub>2</sub>, 1 1/2 #/sk  
Permachek, pump plug w/ SW, press to 2500#  
@ 1:15 pm 4-17-81  
WOC to 9:00 pm, cut off rig. release rig.

DAILY COSTS	
RIG	<u>\$14,000</u>
MUD	
WATER	<u>784</u>
BITS	
LOGGING	
TESTING	
CEMENTING	<u>19,774</u>
RENTALS	<u>2000</u>
MATERIALS (csg & wh)	
MAR02-0562	
MAR-562	
DAILY TOTAL	<u>\$26,558</u>
CUMULATIVE	<u>\$37,000.39</u>

# DAILY DRILLING REPORT

DATE 4-17-81

DAY 16

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 5937' OPERATIONS REPORT TIME Cementing Casing

\_\_\_\_\_ FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Charles "C"

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_; \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT \_\_\_\_\_ RPM \_\_\_\_\_ NO. 1 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Ran logs; CNL-FDC, DL-MSR, BHC, C+C to run csg., Ran 20 jts 5 1/2" 17#, K-55, ST+C, and 102 jts 5 1/2", 15.5", K-55, ST+C, w/ guide shoe @ 5933'. float collar @ 5892, and DV tool @ 5200'.

RV Western Co.; cement first stage w/ 120 SX 1-2 Talc cmt w/ 20 bbl mud flush, 10% salt, .6% CF2, .3% WRIS, 2% CaCl2, 35% silica flour, 1 1/2 #/SK Permacrete, pump plug w/ 1500 psi, open DV tool + circ 4 hrs,

## DAILY COSTS

RIG	<u>6000</u>
MUD	<u>3</u>
WATER	<u>300</u>
BITS	
LOGGING	<u>21,224</u>
TESTING	
CEMENTING	
RENTALS	<u>2000</u>
MATERIALS (csg & wh)	<u>5 1/2" @ 10/ft 60,000</u>
Wisco	<u>3169</u>

MAR02-0563

MAR-563

DAILY TOTAL  
CUMULATIVE

\$92,693  
\$346,472

# DAILY DRILLING REPORT

DATE 4-16-81

DAY 15

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 5937' OPERATIONS REPORT TIME Logging

97' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Charles "C"

MUD: WT 11.3; VIS 40; WL 4; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_;

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS
6	DC418	7 7/8"	HTC	J-30	3 - .13	N	5840 - 5937	97	9 1/2

WEIGHT ON BIT 30-35 RPM 55 NO. 1 PUMP PRESSURE 850 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: DST #1, Charles "C", 5780 - 5840',  
initial flow 15 min w/ immediate strong blow inc.  
to 110" wth press in 3 min continue til 15 min,  
initial SI 30 min w/ continued strong blow,  
final flow 10 min w/ 110" wth press in 1 min  
and full 2" stream of mud flowing in 6 min,  
final SI 60 min,

Reverse out DP, rec GC + shi OC MW inc to  
HGC + OC MW, final rec HGC + OC MW (approx  
20% oil).

Sampler rec 350 cc clean oil, 1700 cc SW,  
.15 cuft gas w/ 25 psi

IF = 1390 psi, ISI = 2943 psi, FF = 2380 psi,  
EST = 2973 psi RHT = 2400 psi (approx)

## DAILY COSTS

RIG	<u>\$1940</u> <u>FT</u>
MUD	<u>3625</u> <u>DW</u>
WATER	<u>569</u>
BITS	
LOGGING	
TESTING	<u>800</u>
CEMENTING	
RENTALS	<u>2000</u>
MATERIALS (csg & wh)	
	<u>transp csg</u> <u>2000</u>
DAILY TOTAL	<u>\$13,334</u>
CUMULATIVE	<u>\$267,113</u>

**MAR-564**

MAR02-0564

DATE \_\_\_\_\_ WELL NAME \_\_\_\_\_ OPERATOR \_\_\_\_\_

DRILLING \_\_\_\_\_ COMPLETIONS \_\_\_\_\_ OPERATIONS \_\_\_\_\_

TIH + drill to 5937' \*, @ TOOH, Rig up Schlumberger to start logging

\* lost circ 300 bbls mud @ 12:30 AM, mix LCM C+C, regain  
circ @ 5:00 AM

MAR-565

MAR02-0565

# DRILL STEM TEST REPORT

DST. NO. 1

Date 4-15-81 Co. TXO Well name & no. BUCKLES "A" #1

Testing Co. JOHNSTON Tester \_\_\_\_\_ Cont'r. \_\_\_\_\_

T.D. 5840 Test Interval 5780 - 5840' Formation Charles "C"

Hole Size 7 7/8" D.P. Descr. \_\_\_\_\_ D.C.'s \_\_\_\_\_

P.U. Tool @ \_\_\_\_\_ A.M. P.M. Test on Bottom @ \_\_\_\_\_ A.M. P.M.

Ran \_\_\_\_\_ Water Cushion \_\_\_\_\_ Pulled Tool Loose @ \_\_\_\_\_ A.M. P.M.

Size Bottom Choke \_\_\_\_\_ Size Top Choke \_\_\_\_\_

Initial Flow 15 Minutes: \_\_\_\_\_ Blow Description 110" blow in 3min throughout

Initial Shut In 30 Minutes: \_\_\_\_\_ Blow Description 110" blow continued

Final Flow 6 Minutes: \_\_\_\_\_ Blow Description 110" blow in 1min; UCM to

stop in 6 min; full 2" titration

Final Shut In 60 Minutes: \_\_\_\_\_ Blow Description \_\_\_\_\_

D.P. Recovery GC + OCMW grad change to HGC + OC MW; final rec  
HGC + OCMW

Sampler Recovery 2050 cc fluid @ 350 cc clean oil; 1700 cc SW.  
.15 cu ft gas. 111/ 25 psi.

Initial Hydrostatic 3247 Initial Flow 1390 to \_\_\_\_\_

Initial Shut In 2943 Final Flow 2380 to \_\_\_\_\_

Final Shut In 2933 Final Hydrostatic 2856

Bottom Hole Temp 240° Recorder Depth \_\_\_\_\_

## RESISTIVITY:

Pit Mud Sample \_\_\_\_\_ @ \_\_\_\_\_ Chlorides \_\_\_\_\_

Pit Mud Filtrate \_\_\_\_\_ @ \_\_\_\_\_ Chlorides \_\_\_\_\_

D.P. Recovery \_\_\_\_\_ @ \_\_\_\_\_ Chlorides \_\_\_\_\_

Sampler Recovery \_\_\_\_\_ @ \_\_\_\_\_ Chlorides \_\_\_\_\_

Gravity of Recovered Oil \_\_\_\_\_ @ \_\_\_\_\_

Additional Information (if any) on Reverse Side

SUPERVISOR \_\_\_\_\_

MAR02-0566

MAR-566

TXI like w/ 10% salt  
.6% CF2  
2% CaCl2

Class "G" w/ 10% salt  
.6 CF2  
2% CaCl2 } 1000' above pay

MAR02-0567

MAR-567

# DAILY DRILLING REPORT

DATE 4-15-81

DAY 14

OPERATOR TXO

WELL Buckles A #1

DEPTH 5840' OPERATIONS REPORT TIME Trip out DST

FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: Charles

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
5							5447 - 5840	393	39 1/4

WEIGHT ON BIT 30-35 RPM 55 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE
	5840	1°		

## DAILY COSTS

RIG <u>(Johns W)</u>	\$5900
MUD	1800
WATER	856
BITS	
LOGGING	
TESTING	2800
CEMENTING	
RENTALS	2000
MATERIALS (csg & wh)	

REMARKS: Drilled to 5790', drly break 7min/ft to 2min/ft 5790' - 5840', lost 200 bbls mud into interval drly bbl interval, drilled to 5840', C+C for DST #1, R Johnston Testers, ~~open to 3000' - 4000' - 5000'~~ IF 15", ISI 30", FF 6", FSI 60", initial flow open w/ strong blow, final flow open w/ mud to surface in 6 min, reversed out DP, recovered mud w/ HGC + OC MW.

MAR02-0568

MAR-568

DAILY TOTAL 113,356  
CUMULATIVE 253,779

235

DAY 13

OPERATOR T80

WELL Buckles "A" #1

DEPTH 5795' OPERATIONS -- REPORT TIME 1415

215 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Charles

MUD: WT 10.4; VIS 37; WL 17; FC 3/32; PH 6.4; SOLIDS 6; CL 152<sup>m</sup>; PV 11

YP 7; GELS: 3/6; OIL \_\_\_\_\_; LCM \_\_\_\_\_

WEIGHT ON BIT 35,000 RPM 55 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60" SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:

### DAILY COSTS

RIG 4300

MUD 1.038

WATER. 1.468

BITS

## LOGGING

## TESTING

## CEMENTING

RENTALS 2000

MATERIALS (csg B.wh)

MAR02-0569

MAR-569

DAILY TOTAL \$8,796

CUMULATIVE \$240,423

# DAILY DRILLING REPORT

DATE 4-13-81

DAY 12

OPERATOR TXO

WELL Buckles 'A' #1

DEPTH 5580' OPERATIONS REPORT TIME Drilling  
193' FEET-DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Charles "A"

MUD: WT 10.4; VIS 39; WL 12; FC 3/32; PH 6.4; SOLIDS 5.2; CL 164.00; PV 10  
 YP 11; GELS 3/8; OIL \_\_\_\_\_; LCM \_\_\_\_\_;

B.I.T. NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
4	JJ314	7 7/8"	HTC	J-22	3-.14	N	3756 - 5447	1691	99 1/2
5	976704	7 7/8"	STC	S-86F	3-.14	N	5447		

WEIGHT ON BIT 30-35 RPM 60 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60 SPM  
 NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Drilling

DAILY COSTS	
RIG	<u>\$3860</u>
MUD	<u>1197</u>
WATER	<u>439</u>
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>2000</u>
MATERIALS (csg & wh)	
MAR02-0570	
MAR-570	
DAILY TOTAL	<u>\$7496</u>
CUMULATIVE	<u>\$231,627</u>

DATE 4-12-81

DAY 11

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 5387

OPERATIONS: REPORT TIME

Drilling

363'

FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION:

Kibbey sand

MUD: WT 10.4; VIS 32; WL 10; FC 2/32; PH 6.4; SOLIDS 5.8; CL 152,000; PV 8

YP 2 GELS 1/3

FOIL

 $\bar{L}CM$ 

WEIGHT ON BIT 30-35 RPM 60 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 1 1/4" X 60 SPM

NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE
5051	1 1/4°		

REMARKS:

Drilling

DAILY COSTS

RIG 7360

MUD \_\_\_\_\_ 992

WATER 749

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_

CEMENTING\_\_\_\_\_

RENTALS 2000

MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0571

**MAR-571**

DAILY TOTAL

11,001

CUMULATIVE

\$ 224,13

# DAILY DRILLING REPORT

DATE 4-11-81

DAY 10

OPERATOR TXO

WELL Buckles A #1

DEPTH 5024' OPERATIONS REPORT TIME Drilling

357' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Tyler

MUD: WT 10.3; VIS 32; WL 13; FC 2/32; PH 6.7; SOLIDS 4.6; CL 167,000; PV 7

YP 1; GELS 1/3; OIL \_\_\_\_\_; LCM \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
SAME									

WEIGHT ON BIT 30-35M RPM 60 NO. 1 PUMP PRESSURE 900 PUMP 5 1/2" X 14" X 62 SPM

NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Drilling

## DAILY COSTS

RIG 7142

MUD 1688

WATER 879

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_

CEMENTING \_\_\_\_\_

RENTALS 2000

MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0572

MAR-572

DAILY TOTAL 11,707

CUMULATIVE 213,130

# DAILY DRILLING REPORT

DATE 4-10-81

DAY 9

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 4667' OPERATIONS Drilling REPORT TIME

322' FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: Reidon

MUD: WT 10.2; VIS 31; WL 24; FC 2/2; PH 6.4; SOLIDS 5.2; CL 16500; PV 7

YP 2; GELS 1/3; OIL \_\_\_\_\_; LCM \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT 30-35M RPM 60 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

## SURVEYS

DEPTH	ANGLE	DEPTH	ANGLE
<u>4539</u>	<u>2 1/4°</u>		
<u>4630</u>	<u>4°</u>		

## REMARKS:

Drilling

Weekly report to BIA: depth  
any shows

## DAILY COSTS

RIG	<u>\$6440</u>
MUD	<u>869</u>
WATER	<u>343</u>
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	<u>2000</u>
MATERIALS (csg & wh)	
MAR02-0573	
MAR-573	
DAILY TOTAL	<u>\$9652</u>
CUMULATIVE	<u>\$201,423</u>

# DAILY DRILLING REPORT

DATE 4-9-81

DAY 8

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 4345' OPERATIONS REPORT TIME Drilling

491 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Reardon

MUD: WT 10.2; VIS 33; WL 36; FC 2/32"; PH 6.2; SOLIDS 5; CL 147,000; PV 8.

YP 2; GELS 1/2; OIL \_\_\_\_\_; LCM \_\_\_\_\_; \_\_\_\_\_[illegible]

WEIGHT ON BIT 30-35 RPM 60 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE
4208	3/4°			

REMARKS: Dull

### DAILY COSTS

RIG 9820

MUD 862

WATER 1249

BITS\_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING\_\_\_\_\_

CEMENTING\_\_\_\_\_

RENTALS: 2000

MATERIALS (csg & wh)\_\_\_\_\_

MAR02-0574

MAR-574

DAILY TOTAL	¥/3,931
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CUMULATIVE: \$191,771

# DAILY DRILLING REPORT

DATE 4-8-81

DAY 7

OPERATOR TXO

WELL Bushles "a" #1

DEPTH 3854' OPERATIONS REPORT TIME Daly

371' FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: Dakota

MUD: WT 14; VIS 36; WL 27; FC 2/32; PH 6.4; SOLIDS 6.2; CL 148; PV 1.0

YP 6; GELS 3/6; OIL \_\_\_\_\_; LCM \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
#2	21798	7 7/8	SEC	5-4T	14.14.14	NEW	3125' - 3561'	436	15 1/2
#3	HA428	7 7/8	HTC	OSCIG	3/14th	new	3561 - 3756'	195	8 1/2
#4	11314	"	HTC	122	3/14th	new	3756 -		

WEIGHT ON BIT 30-35 RPM 60 NO. 1 PUMP PRESSURE 800 PUMP 5 1/2" X 14" X 60 SPM  
 NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_" X \_\_\_\_\_" X \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE
3561	1°		
3756	3/4°		

REMARKS: Dild, Tripped, Dild,  
Tripped

Tagged light bridge in Dakota  
on Bit #3 Trip In.

BHA - BIT, SHOCK SUB, XO, 17-6 1/4"

DAILY COSTS	
RIG	\$7,420
MUD	1,227
WATER	459
BITS	
LOGGING	
TESTING	
CEMENTING	
RENTALS	\$1,500
MATERIALS (csg & wh)	\$500
MAR02-0575	
MAR-575	
DAILY TOTAL \$11,106	
CUMULATIVE \$177,840	

# DAILY DRILLING REPORT

DATE 4-7-81

DAY 6

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 3483' OPERATIONS REPORT TIME DRLG

764' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: DAKOTA

MUD: WT 12.4 VIS 34; WL 2.7; FC 2; PH 6.2; SOLIDS 3.6; CL 146; PV 7  
 YP 3; GELS 1/3; OIL \_\_\_\_\_; LCM \_\_\_\_\_;

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
1	211588	7 <sup>1</sup> / <sub>8</sub>	SEC	S-33	20.20.20	NEW	1240'-3125'	1885'	18
2	2798	7 <sup>1</sup> / <sub>8</sub>	SEC	S-4T	14.14.14	NEW	3125'-		

WEIGHT ON BIT 15-20 RPM 100-#7 NO. 1 PUMP PRESSURE 900 PUMP 5<sup>1</sup>/<sub>2</sub>" X 14" X 160 SPM  
 NO. 2 PUMP PRESSURE 900 PUMP 5<sup>1</sup>/<sub>2</sub>" X 12" X 160 SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE
2900	1°		
3125	1/2°		

REMARKS: No hole problems on trip.

## DAILY COSTS

RIG 15280  
 MUD 1791  
 WATER 1242  
 BITS \_\_\_\_\_  
 LOGGING \_\_\_\_\_  
 TESTING \_\_\_\_\_  
 CEMENTING \_\_\_\_\_  
 RENTALS 2000  
 MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0576

MAR-576

DAILY TOTAL 20313  
 CUMULATIVE 166,734

Report by: Mike Perius

# DAILY DRILLING REPORT

DATE 4-6-81

DAY 5

OPERATOR TXO

WELL Buckles A" #1

DEPTH 2719 OPERATIONS REPORT TIME Dr/g

1479' FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Muddy

Native Mud

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_;

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS
1	211588	7 7/8	SEC	S-33	20.20.20	NEW	1240		

WEIGHT ON BIT 10-15 RPM 200 NO. 1 PUMP PRESSURE 1000 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE 1000 PUMP 5 1/2" X 12" X 60 SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE
1817	1/2°		
2328	1°		

REMARKS: Pressure tested BOP  
to 1500# - Held O.K.

## DAILY COSTS

RIG 29,580  
MUD 1000  
WATER 600  
BITS \_\_\_\_\_  
LOGGING \_\_\_\_\_  
TESTING \_\_\_\_\_  
CEMENTING \_\_\_\_\_  
RENTALS 1000  
MATERIALS (csg & wh) \_\_\_\_\_

MAR02-0577

MAR-577

DAILY TOTAL 32180  
CUMULATIVE 142,428

# DAILY DRILLING REPORT

DATE 4-5-81

DAY 4

OPERATOR TXO

WELL Buckles "A" #1

DEPTH 1240' OPERATIONS REPORT TIME N.H. BOP

FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION:

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_;

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS

WEIGHT ON BIT \_\_\_\_\_ RPM \_\_\_\_\_ NO. 1 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

NO. 2 PUMP PRESSURE \_\_\_\_\_ PUMP \_\_\_\_\_ "X" \_\_\_\_\_ "X" \_\_\_\_\_ SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Re-cemented annulus w/  
100 sks 50-50 Calseal thru  
60' of 1" pipe. Cmt did  
not hold wtr flow. Re-cemented  
annulus w/ 50 sks 50-50  
Calseal thru 60' of 1"  
pipe. Cmt held wtr  
flow W.O.C. 6 hours.  
Cut off csg & began N.H.  
BOP.

## DAILY COSTS

RIG 6000

MUD \_\_\_\_\_

WATER 951

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_

CEMENTING 4493

RENTALS 1000

MATERIALS (csg & wh) \_\_\_\_\_

(welder) 390

MAR02-0578

MAR-578

DAILY TOTAL	<u>12834</u>
CUMULATIVE	<u>110248</u>

150 sks 50-50 Calseal. Cmt held  
wtr flow W.O.C. 6 hours. Cut off  
csg & began N.H. BOP

# DAILY DRILLING REPORT

DATE 4-4-81

DAY 3

OPERATOR TxD

WELL Buckles #1

DEPTH 1240' OPERATIONS REPORT TIME W.O.C.

FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: Surface

MUD: WT \_\_\_\_\_; VIS \_\_\_\_\_; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_

B.T. NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS
2A	RR	12 1/4	SEC	F33	20-20-20	RR	135' - 1240'	1105	13

WEIGHT ON BIT 10-15 RPM 200 NO. 1 PUMP PRESSURE 600 PUMP 5 1/2" X 14" X 60 SPM  
NO. 2 PUMP PRESSURE 600 PUMP 5 1/2" X 12" X 60 SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE
<u>1240</u>	<u>0°</u>		

REMARKS: Finished dely surf hole. Circ.  
& short tripped - no fill. Ran  
27 jts. 8 5/8" 24# R-5.5 ST&CCSG  
Set @ 1220' w/ insert baffle  
@ 1179' cement basket @ 82'  
& centralizers @ 1200', 1140',  
1100', & 1060'. Cmted w/  
900 sks Glass "G" w/ 2% CaCl<sub>2</sub>  
1/4" 1st Celaseal, & 10" 1st  
Gilsonite. Lost circ. when  
began displacement. Never  
recovered returns. Bumped  
plug to 1500# - Baffle did

DAILY COSTS	
RIG	<u>2000</u>
MUD	
WATER	<u>800</u>
BITS	
LOGGING	
TESTING	
CEMENTING	<u>MAR02-0579</u>
RENTALS	<u>1000</u>
MATERIALS (csg & wh)	
Csg crew	<u>1500</u>
Cementing	<u>1825</u>
<u>MAR-579</u>	
DAILY TOTAL	<u>23554</u>
CUMULATIVE	<u>97414</u>

DATE \_\_\_\_\_ WELL NAME \_\_\_\_\_ OPERATOR \_\_\_\_\_

DRILLING \_\_\_\_\_ COMPLETIONS \_\_\_\_\_ OPERATIONS \_\_\_\_\_

not held. shot csg in w/ 800#. P.H. & T.H. w/ 60' of 1" pipe. Cmt annulus w/ 100 sks class "6" cmt w/ 3% CaCl. Got full returns. Cmt appeared to hold. W.O.C. 8 hours. Cut off conductor pipe. Had  $\frac{1}{2}$ " stream wtr flow. Preparing to re-cmt annulus w/ Calseal.

MAR02-0580

MAR-580

# DAILY DRILLING REPORT

DATE 4-3-81

DAY 2

OPERATOR TXO

WELL BUCKLES #1

DEPTH 1200' OPERATIONS Drilling REPORT TIME

FEET DRILLED IN LAST TWENTY-FOUR HOURS

FORMATION: Surface

MUD: WT 8.5; VIS 49; WL \_\_\_\_\_; FC \_\_\_\_\_; PH \_\_\_\_\_; SOLIDS \_\_\_\_\_; CL \_\_\_\_\_; PV \_\_\_\_\_

YP \_\_\_\_\_; GELS \_\_\_\_\_; OIL \_\_\_\_\_; LCM \_\_\_\_\_

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/USED	FROM - TO	FEET	HOURS
1A	RR	12 1/4	STC	DS	3 - .20	RR	0 - 135'	135	1 1/2
2A	RR	12 1/4	SEC	F33	3 - .20	RR	135' -		

WEIGHT ON BIT 10-15M RPM 200 NO.1 PUMP PRESSURE 600 PUMP 5 1/2" X 14" X 60 SPM

NO.2 PUMP PRESSURE \_\_\_\_\_ PUMP 5 1/2" X 12" X 60 SPM

SURVEYS:	DEPTH	ANGLE	DEPTH	ANGLE
	314	3/4°		
	765	3/4°		

REMARKS: Washed over drill collar, Ran  
overshot and pulled fish. Start drilling  
2:00 PM

Water flow and created mud; salted up  
to reduce foaming.

## DAILY COSTS

RIG \$21,300

MUD 800

WATER 3660

BITS \_\_\_\_\_

LOGGING \_\_\_\_\_

TESTING \_\_\_\_\_ MAR02-0581

CEMENTING \_\_\_\_\_

RENTALS + supv. 800

MATERIALS (csg & wh) \_\_\_\_\_

Rathole 3000

pit liner 1800

**MAR-581**

DAILY TOTAL 31,360

CUMULATIVE

DATE \_\_\_\_\_ WELL NAME \_\_\_\_\_ OPEPATOR \_\_\_\_\_

DRILLING \_\_\_\_\_ COMPLETIONS \_\_\_\_\_ OPERATIONS \_\_\_\_\_

31,360

32,000

46,860

MAR-582

MAR02-0582

# DAILY DRILLING REPORT

DATE 4-2-81

DAY 1

OPERATOR TXO

WELL Buckles "A" 1

DEPTH 135 OPERATIONS REPORT TIME Washing Over Fish

135 FEET DRILLED IN LAST TWENTY-FOUR HOURS.

FORMATION: Surface

MUD: Presently mudding up  
WT       ; VIS       ; WL       ; FC       ; PH       ; SOLIDS       ; CL       ; PV       

YP       ; GELS       ; OIL       ; LCM       ;       

BIT NO.	SERIAL NO.	SIZE	MAKE	TYPE	JET SIZES	NEW/ USED	FROM - TO	FEET	HOURS
1A	RR	12 1/4	STC		OPEN	USED	10 - 13.5		

WEIGHT ON BIT 112 RPM        NO. 1 PUMP PRESSURE 600 PUMP        "X"        "X"        SPM  
NO. 2 PUMP PRESSURE        PUMP        "X"        "X"        SPM

SURVEYS:

DEPTH	ANGLE	DEPTH	ANGLE

REMARKS: Spud 4:00 am 4-1-81.

Drilled to 135'. While making connection, hole fell in. Roped pipe 15 min - lost circ. Attempted to plug off zone w/ thick mud. Still no returns. R.W. Drilling & cut off DP 5' below Kelly. P.W. wash pipe & T.H. to 65' - tased fill. Washed to 73' w/ full returns. When pumps are shut down, hole flows. Presently mudding up to stop water flow while washing over.

DAILY COSTS	
RIG	<u>2700</u>
MUD	<u>3000</u>
WATER	<u>4600</u>
BITS	
LOGGING	
TESTING	
CEMENTING	<u>MAR02-0583</u>
RENTALS	
MATERIALS (csg & wh)	
Location	<u>5000</u>
Misc.	<u>1000</u>
Csg Hear	<u>MAR-583 3200</u>
Surf Csg	<u>13000</u>
DAILY TOTAL	<u>32500</u>
CUMULATIVE	<u>32500</u>

**DRESSER  
INDUSTRIES**

**DRESSER**

Magcobar Group  
Inter-Office Correspondence

Mr. Tom Croft

To: TXO Production Corp.  
2705 Montana Ave.

From: Billings, Montana

Date: December 7, 1981

Subject: Water Sample - Buckels #1 Lease

TEXAS OIL & GAS CORP.  
BILLINGS DISTRICT

Copy to: Allan A. Anderson

Dear Mr. Croft:

On December 7, 1981 a water sample was taken from the treater water leg at the Buckels #1 lease. A complete water analysis will be run at this time to determine the corrosiveness of this water. A copy will be sent to you upon completion. Further monitoring will be done to assure the effectiveness of the chemical program.

Thank you Tom, for allowing Di-Chem Dresser and myself provide the necessary services and products in maintaining an efficient and profitable oil producing system.

Respectfully,

*Allan A. Anderson*  
Allan A. Anderson  
District Salesman  
Williston, North Dakota

cc: Leo Heath  
TXO Production  
2705 Montana Ave.  
Billings, Montana

R.J. Gray

**MAR-584**

**MAR02-0584**



**NALCO CHEMICAL COMPANY**

P. O. BOX 1806 □ DICKINSON, NORTH DAKOTA 58601 □ AREA 701-284-7272

OIL FIELD SERVICES DIVISION  
VISCO

August 19, 1981

TEXAS OIL & GAS CORP.  
BILLINGS DISTRICT

AUG 20 1981

Mr. Tom Croft  
Texas Oil & Gas Corporation  
2705 Montana Avenue  
Suite 300  
Billings, Montana 59101

Dear Mr. Croft:

SUBJECT: WATER ANALYSIS BUCKLES A #1

The detrimental effects of corrosion and scale result in higher than usual equipment and maintenance costs, plus lost time and lost production. The use of Visco 4902 can prevent this corrosion and scale, thus providing increased profits.

RECOMMENDATION: Visco 4902, a scale and corrosion inhibitor, to be continuously injected as far back into the system after the two phases have been separated for maximum protection.

MONITORING: Iron counts and maintenance records can be used to ensure the efficiency of this program.

Visco 4902 will not freeze in the cold winter months. Being a dual purpose product, Visco 4902 is very cost effective and has proven very successful in controlling corrosion and scale on lease surrounding the Buckles A #1.

Thank you, Tom, for using Nalco Chemical Company's products and services.

Sincerely,

*Allan A. Anderson*

Allan A. Anderson  
District Salesman  
Williston, North Dakota

AAA/mg

Enclosure: Water Analysis

cc: M. Olson

MAR02-0585

MAR-585

701 572 3557



# ANALYTICAL SERVICE LABORATORY REPORT WATER ANALYSIS

Company: TEXAS OIL & GAS  
POPLAR, MONTANA  
DIST. 21

Date Printed 5-Aug-81  
Analysis No. 81V1241  
Date Sampled UNKNOWN  
Date Received 8/4/81

Sample Marked: BUCKLES A NO.1 TREATER WATER LEG

## \*\*\*WATER ANALYSIS\*\*\*

DISSOLVED SOLIDS			RESULTS AS COMPOUNDS	
CATIONS	mg/l	meq/l		mg/l
Sodium, Na(calc.)	27300.	1190.		
Calcium, Ca	800.	40.0	as CaCO3	2000.
Magnesium, Mg	535.	44.0	as CaCO3	2200.
Barium, Ba	.0	.0	as BaSO4	.0

Sum of Cations	28600.	1270.		
----------------	--------	-------	--	--

ANIONS				
Chloride, Cl	43100.	1210.	as NaCl	71000.
Sulfate, SO4	2430.	50.7	as Na2SO4	3600.
Carbonate, CO3			as CaCO3	
Bicarbonate, HCO3	322.	5.3	as CaCO3	264.

Sum of Anions	45900.	1270.		
---------------	--------	-------	--	--

TDS CALCULATED	74500.			
----------------	--------	--	--	--

Total Iron, Fe	6.0	.3	as Fe	6.0
Acid to Phen, CO2			as CaCO3	

## OTHER PROPERTIES

pH (units)	7.6		
Spec Gravity	1.045		
Turbidity (jtu)	60.0		

CaCO3 STABILITY  
(Index)

@ 70F  
@ 120F  
@ 170F

CaSO4 SOLUBILITY  
(meq/l)

Remarks:

3 A. A. ANDERSON  
M. R. OLSON

MAR02-0586

MAR-586

P. O. BOX 87 • SUGAR LAND, TEXAS 77478



# ANALYTICAL SERVICE LABORATORY REPORT WATER ANALYSIS \*

Company: TEXAS OIL & GAS  
POPLAR, MONTANA  
DIST. 21

Date Printed 5-Aug-81  
Analysis No. 81V1241  
Date Sampled UNKNOWN  
Date Received 8/4/81

Sample Marked: BUCKLES A NO.1 TREATER WATER LEG

## \*\*\*WATER ANALYSIS\*\*\*

### DISSOLVED SOLIDS

CATIONS	mg/l	meq/l	RESULTS AS COMPOUNDS	mg/l
Sodium, Na (calc.)	27300.	1190.		
Calcium, Ca	800.	40.0	as CaCO <sub>3</sub>	2000.
Magnesium, Mg	535.	44.0	as CaCO <sub>3</sub>	2200.
Barium, Ba	.0	.0	as BaSO <sub>4</sub>	.0

Sum of Cations 23600. 1270.

### ANIONS

Chloride, Cl	43100.	1210.	as NaCl	71000.
Sulfate, SO <sub>4</sub>	2430.	50.7	as Na <sub>2</sub> SO <sub>4</sub>	3600.
Carbonate, CO <sub>3</sub>			as CaCO <sub>3</sub>	
Bicarbonate, HCO <sub>3</sub>	322.	5.3	as CaCO <sub>3</sub>	264.

Sum of Anions 45900. 1270.

TDS CALCULATED 74500.

Total Iron, Fe	6.0	.3	as Fe	6.0
Acid to Phen, CO <sub>2</sub>			as CaCO <sub>3</sub>	

### OTHER PROPERTIES

pH (units) 7.6  
Spec Gravity 1.045  
Turbidity (jtu) 60.0

CaCO<sub>3</sub> STABILITY  
(Index)

@ 70F  
@ 120F  
@ 170F

CaSO<sub>4</sub> SOLUBILITY  
(meq/l)

Remarks:

3 A. A. ANDERSON  
M. R. OLSON

MAR02-0587

MAR-587

P. O. BOX 87 • SUGAR LAND, TEXAS 77478



Trademarks of Nalco Chemical Company.

**NALCO CHEMICAL COMPANY**  
REGIONAL ANALYTICAL LABORATORIES

2111 E. Dominguez St.  
Carson, CA 90745

6216 W. 66th Place  
Chicago, Illinois 60638

Box 16A  
Paulsboro, NJ 08066

Box 87  
Sugar Land, TX 77478

7.05.2000

Said well has been drilled to \_\_\_\_\_ ft. and is in good condition.

In consideration of the prices as are set out in your current applicable price schedule, we choose to be bound by the terms and conditions set out on the reverse side hereof, including the assumption by us of the liabilities and responsibilities contained in the hold harmless and exculpatory clauses, rather than enter into a different contract and furnish you insurance against the liabilities and responsibilities herein assumed by us.

CUSTOMER'S NAME: W

SIGNATURE	TITLE AND ADDRESS
<i>[Signature]</i>	<i>[Signature]</i>

PULLED PACKER LOOSE	1223	1223					EXTRA TECHNICAL REPORTS		DATE	TIME
---------------------	------	------	--	--	--	--	-------------------------	--	------	------

M.F.E. SAMPLER DATA		SPECIAL DATA ANALYSIS <input type="checkbox"/>		BREAKDOWN <input type="checkbox"/>		OFF LOCATION <input type="checkbox"/>	
---------------------	--	--	--	------------------------------------	--	---------------------------------------	--

C.C. WATER	REC. MUD FILTRATE	@	%	PPM	HOLE DATA
------------	-------------------	---	---	-----	-----------

GOR	CU. FT/BBL	SAMPLER PRESSURE	NET PRODUCTIVE INTERVAL	5790.3	FT. PER	EST. POROSITY	10%
-----	------------	------------------	-------------------------	--------	---------	---------------	-----

INSTRUMENT DATA					ALL DEPTHS MEASURED FROM	TOTAL DEPTH
INSTRUMENT NO.	1-1-1	1-1-1	1-1-1	1-1-1	KB	7.5

DEPTH	5481	5796					MUD DATA
-------	------	------	--	--	--	--	----------

INSIDE - OUTSIDE						MUD TYPE	Soft Mud - Red - Brown
------------------	--	--	--	--	--	----------	------------------------

CLOCK CAP HR.	14.2	10.2				WEIGHT 11.5	VISCOSITY 4.5	WATER LOSS 1.7	C.C.
---------------	------	------	--	--	--	-------------	---------------	----------------	------

TEMPERATURE °F.	246	246				RESIST: OF MUD 9 @ 42	°F: OF FILTRATE 11 @ 1.5	°F 159	CL PPM
REMARKS									

I. HYD.	P.S.I.G.	219.5				REMARKS:	219.5 - 219.5
I. FLOW	P.S.I.G.	219.5					219.5 - 219.5

ROW	P.S.I.G.	310	2117				2117
I.S.I.	P.S.I.G.	312	257				257

2nd FLOW P.S.I.G.	200	200				
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2nd S.I.	P.S.I.G.	1723	1725				
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MAR02 0588

F. FLOW	P.S.I.G.						

MAR02-0588

F. S.I.	P.S.I.G.						
F. HYD	P.S.I.G.	2.2	2.2				

RECOVERY DESCRIPTION										FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAV	RESIST	CHI PPM
----------------------	--	--	--	--	--	--	--	--	--	------	---------	-------	---------	----------	----------	--------	---------

RECOVERY DESCRIPTION	FEET	BARRELS	15 GIL	15 WATER	15 OTHER	15 OTHER	15 OTHER	15 OTHER	15 OTHER
Water pit and gravel	9040	77	14	704	164	0	0	0	0

[illegible]

						e	i	e	f	
--	--	--	--	--	--	---	---	---	---	--

[illegible]

						e "	e "
PUMPED OUT TIME STARTED		TIME FINISHED		PUMP PRESSURE		PSIG	

THE ABOVE ORDERED SERVICES HAVE BEEN PERFORMED OR FURNISHED AND THE TEST ACCEPTED AS:

JOHNSTON-MACCO  
P.O. BOX 36369, HOUSTON, TX 77036

A Division of Schlumberger Technology Corporation

DISTRICT COPY		SIGNATURE CUSTOMER/AUTHORIZED REPRESENTATIVE		PLEASE PRINT SIGNATURE TO LEFT		CUSTOMER P.O. NUMBER	
01050							

34352	W. L. B. W. L.	1900
-------	----------------	------

JOHNSTON-MACCO

P. O. BOX 36369 HOUSTON, TEXAS 77036



A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

### GENERAL TERMS AND CONDITIONS

We, Johnston-Macco, a Division of Schlumberger Technology Corporation, ("JOHNSTON-MACCO") offer services and equipment requested by Customer under the following Terms and Conditions:

1. We act solely as an independent contractor in rendering services or furnishing equipment to Customer.  
2. Our prices are based on Customer assuming, releasing and indemnifying us from certain liabilities and responsibilities as provided herein. By requesting our services, Customer voluntarily elects to enter into and is bound by these Terms and Conditions. Customer may negotiate a different agreement which might exclude or modify exculpatory, indemnification and hold harmless or other provisions contained herein, which negotiated agreement would, among other things, involve substantially higher prices and/or require Customer to provide at its expense adequate insurance protecting us against the liabilities and responsibilities assumed by Customer herein.  
3. Customer having superior knowledge of the well and conditions surrounding it, shall provide us with all necessary information to enable us to perform our services safely and efficiently.

4. Any interpretations or recommendations are opinions and necessarily based upon inferences and empirical factors and assumptions, which are not infallible. Accordingly, we cannot and do not warrant the accuracy or correctness of any interpretation, recommendation or measurement. Under no circumstances should any interpretation, recommendation or measurement be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving any risk to the safety of any drilling venture, drilling rig or its crew or any other individual. The Customer has full responsibility for all drilling, completion, well treatment and production procedures, and all other activities relating to the drilling or production operation.

5. WE WARRANT ONLY TOOLS, EQUIPMENT OR SUPPLIES OR PARTS THEREOF FURNISHED OR SOLD BY US TO BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIAL, and our liability for breach of Warranty, when such is shown, shall be limited to the replacement of, or allowing credit for the part or parts shown to be defective when used for the purpose for which intended within 90 days of sale. Unused stock items may be returned only with our prior written consent within one year from date of sale at your sole expense subject to a 20% restocking charge. WE MAKE NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, AND WE HEREBY EXPRESSLY DISCLAIM ALL SUCH WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL WE BE LIABLE FOR CONSEQUENTIAL DAMAGES. WE DO NOT GUARANTEE RESULTS.

6. (a) Customer agrees to protect, indemnify and hold us and our officers and employees free and harmless from and against any and all claims, demands, causes of action, suits or other litigation (including all costs thereof and attorneys' fees) of every kind and character whenever arising in favor of Customer or any third party (including, but not limited to, employees of Customer or third parties) on account of bodily injury, death, loss of, damage to or loss of use of property (including, but not limited to, surface, reservoir or underground damage and pollution or contamination damage) and financial loss of any kind:

(1) in any way by act or omission occurring, incident to, arising out of or in connection with equipment provided by us, work or services attempted or performed by us (specifically including, without limitation, all activities involving "fishing" operations, high surface pressure or toxic well gases, and all interpretations and recommendations based on test results);  
(2) in any way by act or omission occurring, incident to, arising out of or in connection with the presence of our employees by our equipment on premises controlled, leased, operated or owned by Customer or the transportation of our equipment or employees to or from a well-site by Customer or by conveyance arranged by Customer, regardless of any defect, malfunction or deficiency of any equipment provided by us and even if our negligence or that of our agents, servants or employees is the cause in whole or part of any such bodily injury, death or loss of or damage to or loss of use of property or financial loss, except only in the case of our gross negligence or willful misconduct.

6. (b) It is mutually recognized that the operations of both parties may occur from time to time in several different states or jurisdictions, and we and Customer further recognize that various states and jurisdictions may have legislation or public policy which purports in some manner to vary or alter or void a portion of all of the hold harmless and indemnity agreement contained herein. In recognition of the multidirectional problems, we and the Customer agree that the hold harmless and indemnity agreement contained hereinabove shall be interpreted in accordance with the laws of the jurisdiction of the place where each service is rendered and that such clauses shall not be invalid or void because of any legislation or public policy of any jurisdiction, but rather that such clauses will be only modified by such legislation or public policy and will be interpreted and enforced to the full extent permitted by such legislation or public policy.

6. (c) For work performed in Texas, Customer agrees to maintain, at its cost, with a financially responsible underwriter, liability insurance with contractual indemnity endorsement covering solely the indemnity obligations of Paragraph 6. (a) hereof.

7. (a) Our downhole equipment is designed to operate under conditions normally encountered in the well bore. Customer shall notify us in advance and make special arrangements for servicing wells in which hazardous or unusual conditions exist.

7. (b) In case it is necessary for Customer to fish for any of JOHNSTON-MACCO's equipment, Customer shall assume the entire responsibility for such operations, but JOHNSTON-MACCO will, if so desired by Customer, render assistance in an advisory capacity for the recovery of such equipment. JOHNSTON-MACCO's employees have no special expertise in fishing operations, nor are they authorized to do anything other than advise and consult with Customer in connection with such fishing operations. Any fishing tools furnished by JOHNSTON-MACCO are furnished solely as an accommodation.

7. (c) If any of JOHNSTON-MACCO's equipment is lost, destroyed or damaged in the well, at the well site, or while being transported by or on behalf of Customer or by conveyances arranged for by Customer or while in Customer's custody, (i) Customer shall attempt to recover such equipment for us at its expense; (ii) Customer shall reimburse us for the replacement cost of such equipment if destroyed or not recovered; and (iii) Customer shall reimburse us for the costs of repair of such equipment if repairable; provided such loss, destruction or damage is not caused by our gross negligence or willful misconduct. Damaged equipment or lost equipment later recovered, will be returned to us.

8. Customer will pay all freight and handling expense including any returns, warranty or otherwise. JOHNSTON-MACCO does not guarantee to ship within time promised and are not liable for loss due to shipping delays. We are not assuming liability for nonperformance nor for any loss you may suffer as a result thereof. Title to all goods sold shall pass to you upon delivery to carrier.

9. If, in order to gain access to or return from the well to be serviced, it is necessary to repair roadbeds, or to provide tractors, vessels or other special means of transportation for our trucks, equipment, or personnel, you shall arrange and pay for such.

10. All of the preceding Terms and Conditions shall also apply in favor of any manufacturer or supplier of any equipment that we may use in the well.

11. Any tax assessed on or using as a base of calculation the charges made for or cash received with respect to products or services shall be in addition to the prices stated in the Price Schedule.

12. Should any clause, sentence, or part of these General Terms and Conditions be held invalid, such holding shall not invalidate the remainder. No employee has the authority to alter any of these Terms and Conditions.

13. Customer shall pay JOHNSTON-MACCO in accordance with JOHNSTON-MACCO's applicable Price Schedule in effect in the area of operations on the date the services were rendered or equipment was furnished. Prices are subject to change without notice. Terms for payment of charges are NET CASH in U.S. Dollars. Any amount unpaid at the end of thirty (30) days from the date of issuance of JOHNSTON-MACCO's invoice is subject to interest at the rate of ten (10) percent per annum. If unpaid amounts are collected through legal proceedings or by an attorney, Customer shall pay reasonable costs and attorney's fees.

14. This contract shall be governed by the law of the state where the services are performed or equipment furnished; however, where services are performed or equipment furnished offshore or on navigable waters, the Federal Maritime laws shall govern.

JOHNSTON-MACCO

A Division of Schlumberger Technology Corporation  
Houston, Texas

MAR02-0589

MAR-589

(SUBMIT IN QUADRUPPLICATE)  
TOARM 36.22.307  
ARM 36.22.601  
ARM 36.22.602  
ARM 36.22.603  
ARM 36.22.604  
ARM 36.22.605ARM 36.22.1003  
ARM 36.22.1004  
ARM 36.22.1013  
ARM 36.22.1301  
ARM 36.22.1306  
ARM 36.22.1309

NOTICE  
THIS FORM BECOMES A  
PERMIT WHEN STAMPED  
APPROVED BY AN AGENT  
OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

## SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	XXXXX
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 29, 19 84

Following is a notice of intention to do work { on land } owned { described as follows:

LEASE Buckles

MONTANA Roosevelt

East Poplar

Well No. "A" #1 C.S.F.N.W. 22 28N 51E  
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from { N } { line and 1980 ft. from { W } { line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

## DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths in objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of shooting, acidizing, fracturing.)

DETAILS OF WORK  
RESULT

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 25 sxs cmt through perfs (5796'-5800').
2. 35 sxs cmt 5670'-5370'.
3. 55 sxs cmt 1300'-1170' (50' below 5½" csg stub @ 1250' & 50' above 8-5/8" csg shoe @ 1220').
4. 50 sxs cmt 950'-800' (25' above & 25' below Judith River).
5. 15 sxs cmt @ surface.

Casing was cutoff below surface.

Approved subject to conditions on reverse of form

Date JUN 18 1984

By Clair Henders  
District Office Agent

LOCATION INSPECTED &amp; APPROVED

Company TCO Production Corp.

By M. David CloutreTitle Drilling & Production Engineer  
Address 1800 Lincoln Center Building  
Denver, CO 80264

BOARD USE ONLY  
API WELL NUMBER

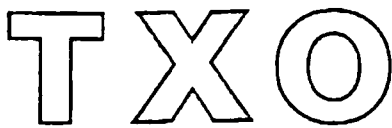
STATE	COUNTY	WELL

NOTE: Reports on this form to be submitted to the appropriate District for approval.  
DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN  
REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.  
OVER

MAR02-0590

MAR-590

107



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

June 1, 1984

BUREAU OF LAND MANAGEMENT  
Post Office Box 940  
Miles City, Montana 59301

RE: Buckles "A" #1, "B" #1, "SWD" #1  
Section 22, T28N-R51E  
Roosevelt County, Montana

Dear Sirs:

Attached please find Sundry Notices and Well History's on the above referenced wells.

Please call me at this office if you have any questions about these wells.

Sincerely,

TXO PRODUCTION CORP.

A handwritten signature in cursive script, reading 'M. David Clouatre'.

M. David Clouatre  
Drilling & Production Engineer

Encl.  
MDC/tlw

MAR02-0591



MAR-591



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4248

June 6, 1984

Bureau of Land Management  
Miles City District Office  
P.O. Box 940  
Miles City, Montana 59301

Re: Site Security Plan  
Buckles "A" #1  
SE/4 NW/4 Section 22-T28N-R51E  
Roosevelt County, Montana

Gentlemen:

The referenced well has been deleted from the Site Security Plan for the Miles City District which TXO Production Corp. keeps on file. The Buckles "A" #1 was plugged on May 26, 1984. No site facility diagram for this well was sent to your office due to the fact that the status of the well was undecided at the time the diagrams were submitted.

If you have any questions regarding this information, please do not hesitate to contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

A handwritten signature in cursive script, appearing to read 'Karen P. Bow'.

Karen P. Bow  
Environmental Scientist

KPB/gbp

MAR02-0592



MAR-592

WF

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION  
OIL AND GAS CONSERVATION DIVISION  
2535 St. John's Avenue  
Billings, Montana 59102

TO: TXO Production Corporation  
M. David Clouatre  
1800 Lincoln Center Building  
Denver, Colorado 80264

DATE June 21, 1984  
BY D. Uzelac  
OFFICE Board of Oil & Gas Conservation

LEASE: Buckles "A" #1 - East Poplar field

LOCATION SE NW 22-28N-51E

COUNTY: Roosevelt County, Montana

*Delinquent data*

FIELD REPORTS:

I. Drilling, producing, and storage areas that require attention

<input type="checkbox"/>	Well Head	<input type="checkbox"/>	Circulating pump	<input type="checkbox"/>	Sour Gas
<input type="checkbox"/>	Pump Jack Unit	<input type="checkbox"/>	Drill Location	<input type="checkbox"/>	Flow Line
<input type="checkbox"/>	Tank Battery	<input type="checkbox"/>	Reserve Pit	<input type="checkbox"/>	Pipe Line
<input type="checkbox"/>	Fire Walls	<input type="checkbox"/>	Evaporation Pit	<input type="checkbox"/>	Brine Water Line
<input type="checkbox"/>	Lease Dyke	<input type="checkbox"/>	Emergency Pit	<input type="checkbox"/>	Gas Flare
<input type="checkbox"/>	Treater	<input type="checkbox"/>	Brine Water Tank	<input type="checkbox"/>	Pit Liner
<input type="checkbox"/>	Treater Pit	<input type="checkbox"/>	Water Disposal System	<input type="checkbox"/>	Seismic Hole

OTHER

II. REQUIRED FORMS, REPORTS, AND DATA:

<input type="checkbox"/>	Form #4 Completion Report	<input type="checkbox"/>	Water Analysis
<input type="checkbox"/>	Form #2 Notice of Intent to Abandon	<input type="checkbox"/>	Change of Operator (Form #2)
<input type="checkbox"/>	Form #2 Subsequent Report of Abandonment	<input type="checkbox"/>	Oil Spill (50 bbls. or more)
<input type="checkbox"/>	Geological Report (2 copies)	<input type="checkbox"/>	Water Well Release (6 copies)
<input checked="" type="checkbox"/>	Drill Stem Tests (2 copies)	<input type="checkbox"/>	Flow or Pipeline rupture
<input type="checkbox"/>	<i>charts &amp; data from service company for that #1</i>	<input type="checkbox"/>	Contamination, Stream - Reservoir
<input type="checkbox"/>	Cement invoices (1 copy @)	<input type="checkbox"/>	Fire, Well-storage tank
<input type="checkbox"/>	Electric logs (2 copies each)	<input type="checkbox"/>	Follow-up Written Report

OTHER

*We need these charts and data from the service company that ran the test to complete our files.*

INDEX:

- |                                |                               |                      |
|--------------------------------|-------------------------------|----------------------|
| 1. Breached                    | 9. Oil On Surface             | 18. Syphon           |
| 2. Condemned                   | 10. Repair                    | 19. Trash not buried |
| 3. Emergency Action            | 11. Re-seed                   | 20. Unauthorized     |
| 4. Fence                       | 12. Restoration (method used) | 21. Unsatisfactory   |
| 5. Leaking                     | 13. Request G.O.R.            | 22. Venting          |
| 6. No Scare Devices            | 14. Ruptured                  | 23. Water Flow       |
| 7. No Well identification sign | 15. Safety Guard              | 24. Install          |
| 8. No Dry Hole Marker          | 16. Soil Contamination        | 25. Oil Spill        |
|                                | 17. Sour Gas Sign Required    | 26. Delinquent       |
|                                |                               | 27. Approved         |

OTHER:

REPORT ACTION TAKEN TO:

MAR-593

MAR02-0593



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

July 10, 1984

MONTANA BOARD OF OIL & GAS CONSERVATION  
2535 St. Johns Avenue  
Billings, Montana 52102

RE: Buckles "A" #1  
SE NW Section 22, T28N-R51E  
Roosevelt County, Montana

Dear Sirs:

Enclosed please find two copies of DST #1 for the above referenced well.  
This should complete your files on the well.

If you have any further questions, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.

A handwritten signature in cursive script, reading 'M. David Clouatre'.

M. David Clouatre  
Drilling & Production Engineer

Encl.  
MDC/tlw

MAR02-0594



MAR-594

# APD FILING CHECKSHEET

Well Name: Buckles "A" #1 USGS District: Belling  
 Location: Mc 22-23N-51E BLM District: \_\_\_\_\_  
 County & State: Roosevelt, Montana Land Status: \_\_\_\_\_

Location Staking Limits: \_\_\_\_\_

## PROCESS ACTIVITIES

	Date Requested/Scheduled	Date Received/Performed
Preliminary Environment Review	11-26-80	
Location Survey (Contr: )		
Archeology Survey (Contr: )		
Joint On-site Inspection	2-3-81	
Designation of Operator/Agent		
ROW Permit (for: )		
Surface Owner Agreement		
Water Permit (type: )		
State APD and Filing Fee		
Spacing Exception		
Federal APD/MSUOP	1-16-81	3-5-81
Sundry Notice for: <u>Operator Name Change</u>	9-21-81	
<u>Change in Casing Program</u>	7-4-81	

Other:

Special Stipulations on Approved Permit: \_\_\_\_\_

Drilling & Production Manager Notified of Permit Completion/Requirements: \_\_\_\_\_

Copy of Approved Permit with Stipulations to Dirt Contractor: \_\_\_\_\_

(Contractor: \_\_\_\_\_) Date: \_\_\_\_\_

BLM Notification 24 hours before initiating construction: \_\_\_\_\_

(Contact: \_\_\_\_\_) Date: \_\_\_\_\_

Compliance Status: Inspection Date: \_\_\_\_\_ Staff: \_\_\_\_\_

Compliance Certified: \_\_\_\_\_ Declined: \_\_\_\_\_

MAR02-0595

MAR-595

# BUCKLES "A" #1

## FLOW PERFORMANCE

	TIME	choke	FTP	BFPH	oil %	Sep. Pr.	Remarks		
DAY	1	2	3	4	5	6	7	8	9
5-4-81	1	5-6 pm	20/64"	300	120	60**	40	First hr after acid load recovery.	
5-5-81	2	8 AM	SI	500					
	3	8-9:30A	5/64"	450	147	40**	"	First hr after overnight SI.	
	4	1:30-2:30P	10/64"	475	30	80**	"		
	5	4-5 pm	12/64"	470	46	40	"	620 BFP in 11 hrs. w/ 25% oil	
5-6-81	6	8 AM	12/64"	460	46	20	"	269 Bo + 895 BW in 22 hrs.	
	7	3:30 pm	12/64"	450	41	22	"	315 BF in 7 3/4 hrs;	
5-7-81	8	8 AM	12/64"	450	40	9%		90 Bo + 880 BW in 24 hrs.	
	9	3:30 pm	12/64"	450	40	7%		315 BF in 8 hrs, w/ 22 Bo	
5-8-81	10	8 AM	12/64"	440	40	8%		(Sold 165 Bo) 85 Bo + 875 BW/24 hr	
5-9-81	11	3:30 pm	12/64"	420	41	9%		81 Bo + 878 BW in 24 hrs	
5-10-81	12	3:00 pm	12/64"	418	41	7%		75 Bo + 906 BW in 24 hrs	
5-11-81	13	8:00 AM	12/64"	415	39	8%		60 Bo + 664 BW in 18 1/2 hrs	
	14								
	15								
	16								
	17								
	18							file:	
	19							Bubble "A" =	
	20							"Primer"	
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
	31								

MAR02-0596

file:  
Buckles "A" =

"

MAR02-0596

\* Incorrect choke settings - choke actually open wider.

\*\* Incorrect oil rate - too high. MAR-596

Last test :

939 BF in 24 hrs (39BPH)

8.3 % oil cut

76 Bo + 863 Bw

---

4 day avg :

82 Bo ~~82~~

887 BWPD

Final Report

---

MAR02-0597

MAR-597

Black Top

County Rd  
2 miles

84.2 begin access

84.7 to County rd

86.8 to Black Top

90.2 to State 2

~ 95.4 to Poplar

Hwy 251

- 44-251  
52

MAR-598

10. Land Uses:

agricultural, ranching

~ 10 yrs old; initial  
prod 300 BOPD  
fell off rapidly

Meau P. 612	Bierre A-1 SWD well	13-15 BOPD
	NW 1/4 22 - 24N - 51E.	1300 BWPD
	1750' SW ; 140' FWL	injected 1000' down

Other:

~~\_\_\_\_\_~~  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

another well to west - shut down  
~ 5 BOPD

MAR02-0599

MAR-599

Charlie  
H

# ENGINEERING INFORMATION

Name: *Buckles 'A' #1*

Location: *Section 22 - T28N - R51E Roosevelt County, MT*

## 1. Proposed Casing and Cementing Program:

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
<i>12 1/4"</i>	<i>8 5/8"</i>	<i>24 #</i>	<i>600'</i>	<i>450 SX</i>
<i>7 7/8"</i>	<i>5 1/2"</i>	<i>15.5# + 17#</i>	<i>6600'</i>	<i>700 SX</i>

## 2. Pressure Control Equipment (if different from other wells in the area):

*annular, pipe ram + blind ram BOP's*

## 3. Mud Program:

*water to 600'*  
*salt wtr to 4000'*  
*activated salt gel to 6600'*

## 4. Auxillary Equipment (if different from other wells in area):

*desander and/or desilter*

## 5. Abnormal Conditions:

*Hole sloughing and washouts in salt sections below 4000'*

## 6. Anticipated date of location construction:

*2-10-81*

## 7. Anticipated spud date:

*2-15-81*

## 8. Date drilling will be completed:

*3-1-81*

## 9. Date completed and ready for pipeline:

*4-1-81*

MAR02-0600

MAR-600

# ASTRO-CHEM SERVICE LABORATORY

4102 2nd Ave. West

Williston, North Dakota 58801

Phone 701-572-7355

P. O. Box 972

## WATER ANALYSIS REPORT

SAMPLE NUMBER: U-81-1596

DATE OF ANALYSIS 4/30/81

COMPANY: TEXAS OIL AND GAS

CITY: BILLINGS

STATE: MT

WELL NAME AND/OR NUMBER: BUCKLES A-1

DATE RECEIVED 4/16/81

DST NUMBER: .

SAMPLE SOURCE: SAMPLE CHAMBER

LOCATION: . OF SEC: . TUN: . RING: .

FORMATION: . DEPTH: 5780-5840

DISTRIBUTION: BILLINGS OFFICE 2 COPIES  
ATTN MIKE WALEN

RESISTIVITY@77°F = .083 OHM-METERS PH= 7.30

SPECIFIC GRAVITY@77°F = 1.065 H2S=NEG

TOTAL DISSOLVED SOLIDS, (CALCULATED) = 83400 MG/L

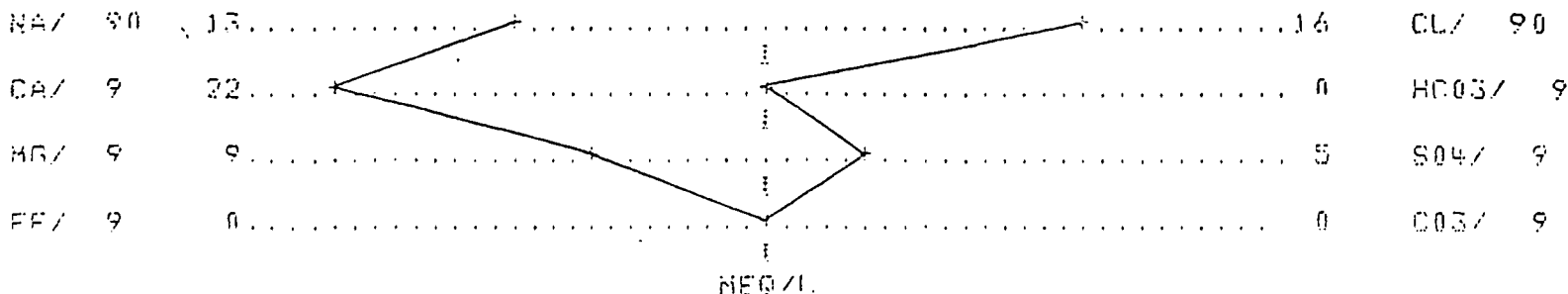
SODIUM CHLORIDE (CALCULATED) = 81600 MG/L

### CATIONS

### ANIONS

	MEQ/L	MG/L		MEQ/L	MG/L
CALCIUM	199.6	4000	CHLORIDE	1396.3	49500
MAGNESIUM	79.9	972	CARBONATE	.0	0
SODIUM	1148.3	26400	BICARBONATE	3.4	207
CHROMIUM	.3	2.8	SULFATE	47.9	2300
IRON	.8	15.1	NITRATE	.0	0
BARIUM	.0	2.4			

### WATER ANALYSIS PATTERN



REMARKS: RECEIVED FROM JOHNSTON TESTERS

MAR02-0601

MAR-601

BUCKLES SWD No. 1  
Completion Prognosis

1. Install 7" x 2 7/8" Hercules type HFC tubing head with a 2" x 6" XH nipple and a 2" 2500# ball valve on each side with a tapped bull plug and needle valve in one side.
2. R.U. & run a GR-CCL correlation log. Perforate the Judith River Formation w/a 4" csg gun w/4 SPF at depths correlating to 785'-790'; 794'-797'; 807'-11, 822-24, & 839'-846' in the Buckles "A" #1 under a full lubricator.
3. P.U. & TIH w/a size 47C2 Baker Model "AD-1" tension packer (internally plastic coated), 1 jt. 2 7/8", 6.5#, J-55, 8RD, EUE internally plastic coated tubing, a 2 7/8" S.N. and approx. 730' (around 23 jts.) 2 7/8", 6.5#, J-55, 8RD, EUE internally plastic coated tubing. Circ. the hole w/packer fluid at a rate not to exceed 2 BPM.
4. Set the packer 10'-40' above the top perforation with 15,000#-18,000# tension.
5. N.U. the wellhead with a 2 7/8" 2000# full opening valve, a short 2 7/8" nipple, a 2 7/8" x 2 7/8" x 2" XH tee, a 2 7/8" XH tapped bull plug, a 1/2" needle valve and a 1000# gauge.
6. Pressure test annulus to 800 psi.
7. Run injection test at 1/2 BPM, 1 BPM, 1 1/2 BPM and 2 BPM. Do not allow pressure to exceed 1000 psi.
8. If damage is indicated, stimulate well with 15% mud acid.

HJK  
5-8-81

MAR02-0602

MAR-602

D.O.NO. 54 NEW TANK NO. 88322

## MARATHON PIPE LINE COMPANY

OLD TANK NO.

0 DISTRICT 0

FARM: A-1 BUCKLES

DATE STRAPPED: 0/ 0/ 0

BY: LES WELLMAN

88322

OWNER: TEXAS OIL &amp; GAS CORP.

DATE ISSUED: 8/12/81

BY: D.M. HUMMEL

1/4 SEC: NW SEC: 22 TWP: 28N RGE: 5E

UNITS: BBL'S OF 42 GALS.

COUNTY: ROOSEVELT STATE: MONTANA

SHEET 1 OF 3

0 FEET	BBL'S	1 FOOT	BBL'S	2 FEET	BBL'S	3 FEET	BBL'S	4 FEET	BBL'S	5 FEET	BBL'S	6 FEET	BBL'S
0. IN	6.22	0. IN	26.13	0. IN	46.23	0. IN	66.32	0. IN	86.37	0. IN	106.41	0. IN	126.45
.25	6.57	.25	26.55	.25	46.65	.25	66.74	.25	86.79	.25	106.83	.25	126.87
.50	6.94	.50	26.97	.50	47.06	.50	67.16	.50	87.21	.50	107.25	.50	127.29
.75	7.32	.75	27.38	.75	47.48	.75	67.58	.75	87.62	.75	107.66	.75	127.70
1. IN	7.71	1. IN	27.80	1. IN	47.90	1. IN	68.00	1. IN	88.04	1. IN	108.08	1. IN	128.12
.25	8.12	.25	28.22	.25	48.32	.25	68.42	.25	88.46	.25	108.50	.25	128.54
.50	8.54	.50	28.64	.50	48.74	.50	68.84	.50	88.88	.50	108.92	.50	128.96
.75	8.96	.75	29.06	.75	49.16	.75	69.25	.75	89.29	.75	109.33	.75	129.37
2. IN	9.38	2. IN	29.48	2. IN	49.58	2. IN	69.67	2. IN	89.71	2. IN	109.75	2. IN	129.79
.25	9.80	.25	29.90	.25	49.99	.25	70.09	.25	90.13	.25	110.17	.25	130.21
.50	10.22	.50	30.32	.50	50.41	.50	70.51	.50	90.55	.50	110.59	.50	130.63
.75	10.64	.75	30.73	.75	50.83	.75	70.92	.75	90.96	.75	111.00	.75	131.04
3. IN	11.05	3. IN	31.15	3. IN	51.25	3. IN	71.34	3. IN	91.38	3. IN	111.42	3. IN	131.46
.25	11.47	.25	31.57	.25	51.67	.25	71.76	.25	91.80	.25	111.84	.25	131.88
.50	11.89	.50	31.99	.50	52.09	.50	72.18	.50	92.22	.50	112.26	.50	132.30
.75	12.31	.75	32.41	.75	52.51	.75	72.59	.75	92.63	.75	112.67	.75	132.71
4. IN	12.73	4. IN	32.83	4. IN	52.93	4. IN	73.01	4. IN	93.05	4. IN	113.09	4. IN	133.13
.25	13.15	.25	33.25	.25	53.34	.25	73.43	.25	93.47	.25	113.51	.25	133.55
.50	13.57	.50	33.66	.50	53.76	.50	73.85	.50	93.89	.50	113.93	.50	133.97
.75	13.99	.75	34.08	.75	54.18	.75	74.26	.75	94.30	.75	114.34	.75	134.38
5. IN	14.40	5. IN	34.50	5. IN	54.60	5. IN	74.68	5. IN	94.72	5. IN	114.76	5. IN	134.80
.25	14.82	.25	34.92	.25	55.02	.25	75.10	.25	95.14	.25	115.18	.25	135.22
.50	15.24	.50	35.34	.50	55.44	.50	75.52	.50	95.56	.50	115.60	.50	135.64
.75	15.66	.75	35.76	.75	55.86	.75	75.93	.75	95.97	.75	116.01	.75	136.05
6. IN	16.08	6. IN	36.18	6. IN	56.28	6. IN	76.35	6. IN	96.39	6. IN	116.43	6. IN	136.47
.25	16.50	.25	36.60	.25	56.69	.25	76.77	.25	96.81	.25	116.85	.25	136.89
.50	16.92	.50	37.01	.50	57.11	.50	77.19	.50	97.23	.50	117.27	.50	137.31
.75	17.33	.75	37.43	.75	57.53	.75	77.60	.75	97.64	.75	117.68	.75	137.72
7. IN	17.75	7. IN	37.85	7. IN	57.95	7. IN	78.02	7. IN	98.06	7. IN	118.10	7. IN	138.14
.25	18.17	.25	38.27	.25	58.37	.25	78.44	.25	98.48	.25	118.52	.25	138.56
.50	18.59	.50	38.69	.50	58.79	.50	78.86	.50	98.90	.50	118.94	.50	138.98
.75	19.01	.75	39.11	.75	59.21	.75	79.27	.75	99.31	.75	119.35	.75	139.39
8. IN	19.43	8. IN	39.53	8. IN	59.63	8. IN	79.69	8. IN	99.73	8. IN	119.77	8. IN	139.81
.25	19.85	.25	39.95	.25	60.04	.25	80.11	.25	100.15	.25	120.19	.25	140.23
.50	20.27	.50	40.36	.50	60.46	.50	80.53	.50	100.57	.50	120.61	.50	140.65
.75	20.68	.75	40.78	.75	60.88	.75	80.94	.75	100.98	.75	121.02	.75	141.06
9. IN	21.10	9. IN	41.20	9. IN	61.30	9. IN	81.36	9. IN	101.40	9. IN	121.44	9. IN	141.48
.25	21.52	.25	41.62	.25	61.72	.25	81.78	.25	101.82	.25	121.86	.25	141.90
.50	21.94	.50	42.04	.50	62.14	.50	82.20	.50	102.24	.50	122.28	.50	142.32
.75	22.36	.75	42.46	.75	62.56	.75	82.61	.75	102.65	.75	122.69	.75	142.73
10. IN	22.78	10. IN	42.88	10. IN	62.98	10. IN	83.03	10. IN	103.07	10. IN	123.11	10. IN	143.15
.25	23.20	.25	43.30	.25	63.39	.25	83.45	.25	103.49	.25	123.53	.25	143.57
.50	23.62	.50	43.71	.50	63.81	.50	83.87	.50	103.91	.50	123.95	.50	143.99
.75	24.03	.75	44.13	.75	64.23	.75	84.28	.75	104.32	.75	124.36	.75	144.40
11. IN	24.45	11. IN	44.55	11. IN	64.65	11. IN	84.70	11. IN	104.74	11. IN	124.78	11. IN	144.82
.25	24.87	.25	44.97	.25	65.07	.25	85.12	.25	105.16	.25	125.20	.25	145.24
.50	25.29	.50	45.39	.50	65.49	.50	85.54	.50	105.58	.50	125.62	.50	145.66
.75	25.71	.75	45.81	.75	65.91	.75	85.95	.75	105.99	.75	126.03	.75	146.07

88322

MAR02-0603

MAR-603

# MARATHON PIPE LINE COMPANY

UNITS: BBLs OF 42 GALS.

SHEET 2 OF 3

7 FEET	BBLs	8 FEET	BBLs	9 FEET	BBLs	10 FEET	BBLs	11 FEET	BBLs	12 FEET	BBLs	13 FEET	BBLs
0. IN	146.49	0. IN	166.53	0. IN	186.57	0. IN	206.61	0. IN	226.66	0. IN	246.71	0. IN	266.76
.25	146.91	.25	166.95	.25	186.99	.25	207.03	.25	227.08	.25	247.13	.25	267.17
.50	147.33	.50	167.37	.50	187.41	.50	207.44	.50	227.49	.50	247.54	.50	267.59
.75	147.74	.75	167.78	.75	187.82	.75	207.86	.75	227.91	.75	247.96	.75	268.01
1. IN	148.16	1. IN	168.20	1. IN	188.24	1. IN	208.28	1. IN	228.33	1. IN	248.38	1. IN	268.43
.25	148.58	.25	168.62	.25	188.66	.25	208.70	.25	228.75	.25	248.80	.25	268.84
.50	149.00	.50	169.04	.50	189.08	.50	209.12	.50	229.17	.50	249.22	.50	269.26
.75	149.41	.75	169.45	.75	189.49	.75	209.53	.75	229.58	.75	249.63	.75	269.68
2. IN	149.83	2. IN	169.87	2. IN	189.91	2. IN	209.95	2. IN	230.00	2. IN	250.05	2. IN	270.10
.25	150.25	.25	170.29	.25	190.33	.25	210.37	.25	230.42	.25	250.47	.25	270.51
.50	150.67	.50	170.71	.50	190.75	.50	210.79	.50	230.84	.50	250.89	.50	270.93
.75	151.08	.75	171.12	.75	191.16	.75	211.20	.75	231.25	.75	251.30	.75	271.35
3. IN	151.50	3. IN	171.54	3. IN	191.58	3. IN	211.62	3. IN	231.67	3. IN	251.72	3. IN	271.77
.25	151.92	.25	171.96	.25	192.00	.25	212.04	.25	232.09	.25	252.14	.25	272.18
.50	152.34	.50	172.38	.50	192.42	.50	212.46	.50	232.51	.50	252.56	.50	272.60
.75	152.75	.75	172.79	.75	192.83	.75	212.87	.75	232.92	.75	252.98	.75	273.02
4. IN	153.17	4. IN	173.21	4. IN	193.25	4. IN	213.29	4. IN	233.34	4. IN	253.39	4. IN	273.44
.25	153.59	.25	173.63	.25	193.67	.25	213.71	.25	233.76	.25	253.81	.25	273.85
.50	154.01	.50	174.05	.50	194.09	.50	214.13	.50	234.18	.50	254.23	.50	274.27
.75	154.42	.75	174.46	.75	194.50	.75	214.55	.75	234.60	.75	254.65	.75	274.69
5. IN	154.84	5. IN	174.88	5. IN	194.92	5. IN	214.96	5. IN	235.01	5. IN	255.06	5. IN	275.11
.25	155.26	.25	175.30	.25	195.34	.25	215.38	.25	235.43	.25	255.48	.25	275.52
.50	155.68	.50	175.72	.50	195.76	.50	215.80	.50	235.85	.50	255.90	.50	275.94
.75	156.09	.75	176.13	.75	196.17	.75	216.22	.75	236.27	.75	256.32	.75	276.36
6. IN	156.51	6. IN	176.55	6. IN	196.59	6. IN	216.63	6. IN	236.68	6. IN	256.73	6. IN	276.78
.25	156.93	.25	176.97	.25	197.01	.25	217.05	.25	237.10	.25	257.15	.25	277.19
.50	157.35	.50	177.39	.50	197.43	.50	217.47	.50	237.52	.50	257.57	.50	277.61
.75	157.76	.75	177.80	.75	197.84	.75	217.89	.75	237.94	.75	257.99	.75	278.03
7. IN	158.18	7. IN	178.22	7. IN	198.26	7. IN	218.30	7. IN	238.36	7. IN	258.41	7. IN	278.45
.25	158.60	.25	178.64	.25	198.68	.25	218.72	.25	238.77	.25	258.82	.25	278.86
.50	159.02	.50	179.06	.50	199.10	.50	219.14	.50	239.19	.50	259.24	.50	279.28
.75	159.43	.75	179.47	.75	199.51	.75	219.56	.75	239.61	.75	259.66	.75	279.70
8. IN	159.85	8. IN	179.89	8. IN	199.93	8. IN	219.98	8. IN	240.03	8. IN	260.08	8. IN	280.12
.25	160.27	.25	180.31	.25	200.35	.25	220.39	.25	240.44	.25	260.49	.25	280.53
.50	160.69	.50	180.73	.50	200.76	.50	220.81	.50	240.86	.50	260.91	.50	280.95
.75	161.10	.75	181.14	.75	201.18	.75	221.23	.75	241.28	.75	261.33	.75	281.37
9. IN	161.52	9. IN	181.56	9. IN	201.60	9. IN	221.65	9. IN	241.70	9. IN	261.75	9. IN	281.79
.25	161.94	.25	181.98	.25	202.02	.25	222.06	.25	242.11	.25	262.16	.25	282.20
.50	162.36	.50	182.40	.50	202.43	.50	222.48	.50	242.53	.50	262.58	.50	282.62
.75	162.77	.75	182.81	.75	202.85	.75	222.90	.75	242.95	.75	263.00	.75	283.04
10. IN	163.19	10. IN	183.23	10. IN	203.27	10. IN	223.32	10. IN	243.37	10. IN	263.42	10. IN	283.46
.25	163.61	.25	183.65	.25	203.69	.25	223.74	.25	243.79	.25	263.83	.25	283.87
.50	164.03	.50	184.07	.50	204.10	.50	224.15	.50	244.20	.50	264.25	.50	284.29
.75	164.44	.75	184.48	.75	204.52	.75	224.57	.75	244.62	.75	264.67	.75	284.71
11. IN	164.86	11. IN	184.90	11. IN	204.94	11. IN	224.99	11. IN	245.04	11. IN	265.09	11. IN	285.13
.25	165.28	.25	185.32	.25	205.36	.25	225.41	.25	245.46	.25	265.50	.25	285.54
.50	165.70	.50	185.74	.50	205.77	.50	225.82	.50	245.87	.50	265.92	.50	285.96
.75	166.11	.75	186.15	.75	206.19	.75	226.24	.75	246.29	.75	266.34	.75	286.38

MAR02-0604

MAR-604

88322

# MARATHON PIPE LINE COMPANY

UNITS: BBLs OF 42 GALS.  
SHEET 3 OF 3

14 FEET	BBLs	15 FEET	BBLs	16 FEET	BBLs	17 FEET	BBLs	18 FEET	BBLs	19 FEET	BBLs	20 FEET	BBLs
0. IN	286.74	0. IN	306.80	0. IN	326.86	0. IN	346.92	0. IN	366.98	0. IN	387.03	0. IN	407.08
.25	287.15	.25	307.21	.25	327.28	.25	347.34	.25	367.39	.25	387.44	.25	407.49
.50	287.57	.50	307.63	.50	327.69	.50	347.75	.50	367.81	.50	387.86	.50	407.91
.75	287.99	.75	308.05	.75	328.11	.75	348.17	.75	368.23	.75	388.28	.75	408.33
1. IN	288.41	1. IN	308.47	1. IN	328.53	1. IN	348.59	1. IN	368.65	1. IN	388.70	1. IN	408.75
.25	288.83	.25	308.89	.25	328.95	.25	349.01	.25	369.06	.25	389.11	.25	409.17
.50	289.24	.50	309.30	.50	329.37	.50	349.43	.50	369.48	.50	389.53	.50	409.58
.75	289.66	.75	309.72	.75	329.78	.75	349.84	.75	369.90	.75	389.95	.75	410.00
2. IN	290.08	2. IN	310.14	2. IN	330.20	2. IN	350.26	2. IN	370.32	2. IN	390.37	2. IN	410.42
.25	290.50	.25	310.56	.25	330.62	.25	350.68	.25	370.74	.25	390.79	.25	410.84
.50	290.92	.50	310.98	.50	331.04	.50	351.10	.50	371.15	.50	391.20		
.75	291.33	.75	311.39	.75	331.45	.75	351.52	.75	371.57	.75	391.62		
3. IN	291.75	3. IN	311.81	3. IN	331.87	3. IN	351.93	3. IN	371.99	3. IN	392.04		
.25	292.17	.25	312.23	.25	332.29	.25	352.35	.25	372.41	.25	392.46		
.50	292.59	.50	312.65	.50	332.71	.50	352.77	.50	372.82	.50	392.87		
.75	293.00	.75	313.07	.75	333.13	.75	353.19	.75	373.24	.75	393.29		
4. IN	293.42	4. IN	313.48	4. IN	333.54	4. IN	353.61	4. IN	373.66	4. IN	393.71		
.25	293.84	.25	313.90	.25	333.96	.25	354.02	.25	374.08	.25	394.13		
.50	294.26	.50	314.32	.50	334.38	.50	354.44	.50	374.49	.50	394.54		
.75	294.68	.75	314.74	.75	334.80	.75	354.86	.75	374.91	.75	394.96		
5. IN	295.09	5. IN	315.16	5. IN	335.22	5. IN	355.28	5. IN	375.33	5. IN	395.38		
.25	295.51	.25	315.57	.25	335.63	.25	355.70	.25	375.75	.25	395.80		
.50	295.93	.50	315.99	.50	336.05	.50	356.11	.50	376.17	.50	396.22		
.75	296.35	.75	316.41	.75	336.47	.75	356.53	.75	376.58	.75	396.63		
6. IN	296.77	6. IN	316.83	6. IN	336.89	6. IN	356.95	6. IN	377.00	6. IN	397.05		
.25	297.18	.25	317.25	.25	337.31	.25	357.37	.25	377.42	.25	397.47		
.50	297.60	.50	317.66	.50	337.72	.50	357.78	.50	377.84	.50	397.89		
.75	298.02	.75	318.08	.75	338.14	.75	358.20	.75	378.25	.75	398.30		
7. IN	298.44	7. IN	318.50	7. IN	338.56	7. IN	358.62	7. IN	378.67	7. IN	398.72		
.25	298.86	.25	318.92	.25	338.98	.25	359.04	.25	379.09	.25	399.14		
.50	299.27	.50	319.33	.50	339.40	.50	359.46	.50	379.51	.50	399.56		
.75	299.69	.75	319.75	.75	339.81	.75	359.87	.75	379.92	.75	399.98		
8. IN	300.11	8. IN	320.17	8. IN	340.23	8. IN	360.29	8. IN	380.34	8. IN	400.39		
.25	300.53	.25	320.59	.25	340.65	.25	360.71	.25	380.76	.25	400.81		
.50	300.95	.50	321.01	.50	341.07	.50	361.13	.50	381.18	.50	401.23		
.75	301.36	.75	321.42	.75	341.49	.75	361.55	.75	381.60	.75	401.65		
9. IN	301.78	9. IN	321.84	9. IN	341.90	9. IN	361.96	9. IN	382.01	9. IN	402.06		
.25	302.20	.25	322.26	.25	342.32	.25	362.38	.25	382.43	.25	402.48		
.50	302.62	.50	322.68	.50	342.74	.50	362.80	.50	382.85	.50	402.90		
.75	303.04	.75	323.10	.75	343.16	.75	363.22	.75	383.27	.75	403.32		
10. IN	303.45	10. IN	323.51	10. IN	343.58	10. IN	363.63	10. IN	383.68	10. IN	403.73		
.25	303.87	.25	323.93	.25	343.99	.25	364.05	.25	384.10	.25	404.15		
.50	304.29	.50	324.35	.50	344.41	.50	364.47	.50	384.52	.50	404.57		
.75	304.71	.75	324.77	.75	344.83	.75	364.89	.75	384.94	.75	404.99		
11. IN	305.12	11. IN	325.19	11. IN	345.25	11. IN	365.30	11. IN	385.36	11. IN	405.41		
.25	305.54	.25	325.60	.25	345.66	.25	365.72	.25	385.77	.25	405.82		
.50	305.96	.50	326.02	.50	346.08	.50	366.14	.50	386.19	.50	406.24		
.75	306.38	.75	326.44	.75	346.50	.75	366.56	.75	386.61	.75	406.66		

MAR02-0605

MAR-605

88323

Date 5-04-81 Western District Sidney 34 F. Receipt 3187  
Operator Texas Oil & Gas  
Lease Buckles Well No. A-1  
Field East Poplar Location 22-28N-51E  
County Roosevelt State Montana  
Stage Number 1 This Zone ☒ This Well ☒

WELL DATA:	OG <input type="checkbox"/> NG <input type="checkbox"/> NO <input checked="" type="checkbox"/> OO <input type="checkbox"/> WD <input type="checkbox"/> IW <input type="checkbox"/> Misc. <input type="checkbox"/>		Depth <u>5,872</u> PB		Formation <u>Charles C</u>		
	Size Tubing <u>2 7/8</u>		Tubing Perf. <u>5,670</u>		Type Packer <u>Baker Model F</u>		
	Size Casing <u>5 1/2</u>		Wt. <u>17#</u>		Set At <u>5,610</u>		
	Liner Set From <u>--</u>		To <u>--</u>		Set From <u>Surface</u>		
Casing Perforations: Size <u>.36</u>		Holes Per Foot <u>4</u>		Intervals <u>5,796 - 5,800</u>		Size Liner <u>--</u>	
						Wt. <u>--</u>	
						To <u>--</u>	

Prior Production N/A

Pad Used: Yes ☐ No ☒ Pad Type     --      
Treating Fluid Type: Oil ☐ Water ☐ Acid ☒ Misc. ☐ Foam ☐ Emulsion ☐

Fluid Description 15% Spearhead

### Prop Mesh Sizes, Types and Quantities

Hole Loaded With Swabbed Dry Treat Via: Tubing ☒ Casing ☐ Anul ☐ Tubing & Anul. ☐

Ball Sealers: \_\_\_\_\_ In \_\_\_\_\_ Stages of \_\_\_\_\_

Types and Number of Pumps Used 1 - Acid Frac 700

Auxiliary Materials 1 gallon I-15

**Procedure** Bullhead 6 BBl. acid, Followed by 35.8 BBl. Flush

**FLUID PUMPED AND CAPACITIES IN BBLS**

**Tubing Cap.** 32.8

Casing Cap. 3

Annular Cap. \_\_\_\_\_

Open Hole Cap. \_\_\_\_\_

Fluid to Load \_\_\_\_\_

Pad Volume            --

Treating Fluid \_\_\_\_\_ 6

Flush                      35

Overflush \_\_\_\_\_Ω

**Total to Recover** 41

[illegible]

MAR02-0606

Treating Pressure: Min. 100 Max. 900 Avg. 400

Rate on Treating Fluid	4.3	Rate on Flush	.7
------------------------	-----	---------------	----

Avg. Inj. Rate 5 I.S.D.P. 100 Flush Dens. lb/gal 9.5

Final Shut-in Pressure 50 in 15 Minutes

Operator's Maximum Pressure 2000

Customer Representative Mike Perlus

Western Representative Jim Smith

Distribution 1 copy: Suite 300

2705 Montana Ave.

Billings, MT 59101

**John H. Mendenhall**

1 copy: Sidney District

MAR-606

# Poor Quality Source Document

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Center at (303) 312-6473.



LIBURTON SERVICES  
B SUMMARY

Glendide

264209

WELL DATA  
2000-515- Roosevelt - NJ

[illegible]

### TOOLS AND ACCESSORIES

DATE	DESCRIPTION	AMOUNT
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## MATERIALS

[illegible]

CEMENT DATA

DATE	TIME	BY	TO	FROM	REMARKS	INITIALS	SIGNATURE
2-20					A 30-30 Cal 18291		

[illegible][illegible]

MALLIBURTON SERVICES  
BULK MATERIAL DELIVERY TICKET

NO B 915881

DATE 4-14	CONTAINER NUMBER AND DATE	WELL NO. AND NAME Bucklen A 1	PRODUCER Roosevelt NT	APPROX 55530
PRODUCER Texas Oil & Gas Corp	FORMATION Bird #2	DEVELOPER Olen #2	DATE 55530	STANDARD NUMBER 234204
PRODUCER IN Texas Oil & Gas Corp		DEVELOPER 1st section		
PRODUCER E.C. ...		DEVELOPER D. HAAS		
DATE & PLACE 4-14-54		DEVELOPER H. Schmitt		

[illegible]

015881

TOTAL 1584 80

MAR02-0608

MAR-608

**CONTRACT**  
**EATMENT DATA**

ATTACH TO INVOICE & CHECK NO. 064209  
 DATE 4-4-81

TO THE PURPOSE OF OBTAINING SERVICE TO REPAIR AND OPERATE  
Oil Co

SEE 22 TOP 28N NAME SLE

AT same  
 OWNED BY THE CUSTOMER OR HIS AGENT

DATE	TIME	FROM	TO	BY	REMARKS
4-4-81	11	1"	KA	40	

WATERBURY (HYDRAULIC HOISTING SYSTEM)

PC

TO RECEIVE THE PRODUCTS SUPPLIES MATERIALS AND SERVICES

Signed Mike P. [Signature]  
 DATE 4-4-81  
 TIME 1:30 PM

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. A1 LEASE Buckhorn DECK NO. 064209  
 CUSTOMER Texas Oil Co DATE 4-4-81  
 JOB TYPE Leach

SHAFT NO.	TIME	DATE (M/D)	WELL (M/D)	DEPTH (M)	DEPTH (M)	DEPTH (M)	DESCRIPTION OF OPERATION AND MATERIALS
1330					400		oil 19.5
1540	2	20					mix mud
1540							wash up
1700	5	8			400		mix mud
1725	2	8			400		prep mud
2025	2	10					mix mud
2030							job complete

Wants [Signature]


MAR02-0609

MAR-609



[illegible]

H47



**HALLIBURTON**  
A Division of Halliburton Energy Services

REMIT TO  
PO BOX 9471  
DALLAS TEXAS 75209  
DIRECT ANY CORRESPONDENCE TO  
PO BOX 9471  
DALLAS TEXAS 75209

**INVOICE**

---

TO: **TEXAS OIL & GAS CORP**  
2705 MONTANA AVE, SUITE 300  
BILLINGS, MT 59101

882417

ASSUMED: **TEXAS OIL & GAS**

DATE: **12-1-77**

LOCATION: **21 DEVELOPMENT**

WELL: **2" SPARK**

---

DATE	DESCRIPTION	UNITS	UNIT PRICE	AMOUNT
12-1-77	MILEAGE	1 EA	134.130	134.130
12-1-77	Pumping Service	223 FT	189.20	189.20
12-1-77	SURV. SER.	1 EA	23.30	23.30
12-1-77	WELL A	1 EA	10.32	10.32
12-1-77	Billup. Unit	1 EA	27.22	27.22
12-1-77	SURV. SER.	1 EA	101.00	101.00
<b>GRAND TOTAL</b>				<b>4070.09</b>

DATE OF INVOICE: 12-1-77

DATE OF ORDER: 12-1-77

DATE OF DELIVERY: 12-1-77

**TERMS: NET 30**

**ISSUANCE:** 12-1-77

**DATE:** 12-1-77

**TIME:** 12:00 PM

**BY:** [Signature]

**FOR:** [Signature]



[illegible]

MAR-613

**HALLIBURTON**  
A Division of Halliburton Services  
Houston, Texas 77002

**WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA**

ATTACH TO  
INVOICE & TEST NO. 07784

DATE 5-25-81

WELL NO. 01 LEASE Boyle SEC 22 TWP 23N RANGE 51E

YOU ARE HEREBY REQUESTED TO Drill AND SERVICEN TO DELIVER AND OPERATE  
THE SAME AS AN INDEPENDENT CONTRACTOR TO Boyle SURFACE  
AND DELIVER AND WELL PRODUCE SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVING

WELL NO. 01 LEASE Boyle SEC 22 TWP 23N RANGE 51E

FIELD WLF COUNTY W. Va. DATE 5-25-81 SIGNED BY [Signature]

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION	TYPE	THICK	TO	DEPTH	TO	DATE	BY
CASING	N	17"	7"	10	920		
LINER							
TUBING							
OPEN HOLE							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT DATE 5-25-81 TYPE 2" SURFACE

TREATMENT INSTRUCTIONS: TREAT TUBING ☒ ANNUAL ☐ CASING ☐ TUBING/ANNUAL ☐ HYDRAULIC WORKOVER ORDERED

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS AND SERVICES

THIS CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE FOLLOWING:

1. To be held responsible for the safety of the well and the safety of the operator and the well owner.
2. To be held responsible for the safety of the well and the safety of the operator and the well owner.
3. To be held responsible for the safety of the well and the safety of the operator and the well owner.
4. To be held responsible for the safety of the well and the safety of the operator and the well owner.
5. To be held responsible for the safety of the well and the safety of the operator and the well owner.
6. To be held responsible for the safety of the well and the safety of the operator and the well owner.
7. To be held responsible for the safety of the well and the safety of the operator and the well owner.
8. To be held responsible for the safety of the well and the safety of the operator and the well owner.
9. To be held responsible for the safety of the well and the safety of the operator and the well owner.
10. To be held responsible for the safety of the well and the safety of the operator and the well owner.

SIGNED: [Signature] DATE 5-25-81 TIME 8:10 P.M.

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. 01 LEASE Boyle SURFACE NO. 07784

CUSTOMER Boyle DATE 5-25-81

JOB TYPE 2" SURFACE

START TIME	STOP TIME	DATE (DDMM)	TIME (HHMM)	PUMP		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CEILING	
10:26	9	5						10:26 9:50 5:00 5:00 5:00 5:00
10:37	5	51						10:37 5:51 5:00 5:00 5:00 5:00
10:38	4	36						10:38 4:36 5:00 5:00 5:00 5:00
10:56								10:56 5:00 5:00 5:00 5:00 5:00





MAR02-0617

MAR-617

**WELL DATA**

WELL NO. 22 20 516 Remover Mr.

DATE 12/25/66 TIME 16:30 LOCATION RD 5820

WELL DEPTH 1276 1400 1507 1845

WELL TYPE U 6.5 139 RD 5820

WELL STATUS U 6.5 139 RD 5820

WELL OWNER 6796-9800

WELL DATA

WELL NO. 22 20 516 Remover Mr.

DATE 12/25/66 TIME 16:30 LOCATION RD 5820

WELL DEPTH 1276 1400 1507 1845

WELL TYPE U 6.5 139 RD 5820

WELL STATUS U 6.5 139 RD 5820

WELL OWNER 6796-9800

**TOOLS AND ACCESSORIES**

ITEM NO. 1 2 3 4 5 6 7 8 9 10

ITEM NAME 1 2 3 4 5 6 7 8 9 10

ITEM QUANTITY 1 2 3 4 5 6 7 8 9 10

ITEM UNIT 1 2 3 4 5 6 7 8 9 10

ITEM PRICE 1 2 3 4 5 6 7 8 9 10

ITEM TOTAL 1 2 3 4 5 6 7 8 9 10

**MATERIALS**

ITEM NO. 1 2 3 4 5 6 7 8 9 10

ITEM NAME 1 2 3 4 5 6 7 8 9 10

ITEM QUANTITY 1 2 3 4 5 6 7 8 9 10

ITEM UNIT 1 2 3 4 5 6 7 8 9 10

ITEM PRICE 1 2 3 4 5 6 7 8 9 10

ITEM TOTAL 1 2 3 4 5 6 7 8 9 10

**PERSONNEL AND SERVICE UNITS**

NAME G. SCARFONE 29798 6160000

NAME R. RACER 204-5891 11

NAME D. HUNTER 204-7587 11

NAME E. ARVIN RU 1

NAME G. RICHARD 27273 1

NAME G. RICHARD 8444 4

NAME J. HANCOCK 14222 4

**CEMENT DATA**

CEMENT TYPE 1 2 3 4 5 6 7 8 9 10

CEMENT QUANTITY 1 2 3 4 5 6 7 8 9 10

CEMENT UNIT 1 2 3 4 5 6 7 8 9 10

CEMENT PRICE 1 2 3 4 5 6 7 8 9 10

CEMENT TOTAL 1 2 3 4 5 6 7 8 9 10

**REMARKS**

See Test Log

MAR-618

WELL IDENTIFICATION				DATE		TIME		LOCATION	
WELL NO.				DATE		TIME		LOCATION	
WELL LOG				DATE		TIME		LOCATION	
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WELL NO.				DATE</					

MAR02-0619

HALL HURTON SERVICES			
JOB LOG			
START TIME	TIME	DATE (MM-DD)	WEEKEND (Y/N)
1400	1500		
	1517		
	1515	3.5	50
	1529	3	10
	1532	3	5
	1537	3	
	1547	1/2	31
	1553		34
	1607		
	1608		34.25
	1623		
	1624		34.375
	1654		34.5
	1655		34.5
	1713		
	1714		
	1730		
	1731		
	1748		
	1749		34.75
	1801		
	1804		34.50
	1808		
	1810		
	1830		



CONTRACT NUMBER	
OPERATOR	CONTRACTOR

## EXHIBIT A BID SHEET AND WELL SPECIFICATIONS FOR STANDARD DRILLING CONTRACT

TO: (Contractor)

BIRD DRILLING INC. - Drilling Div.  
800 - 304, 8th Ave., S.W.  
CALGARY, Alberta T2P 1C2

FROM: (Operator)

TEXAS OIL & GAS CORP.  
2705 Montana Ave., Suite 300  
BILLINGS, Montana 59101

Gentlemen:

We solicit your bid to drill and complete the hereinafter designated well. This bid form has been filled in by us to the extent necessary to disclose the manner in which we desire the well to be drilled. If you desire to submit a bid, please complete this instrument in every respect, execute the original and two copies, and return to our office at \_\_\_\_\_ not later than \_\_\_\_\_ hours,

\_\_\_\_\_ 19 \_\_\_\_\_

Very truly yours,

TEXAS OIL & GAS CORP.

Operator

By: \_\_\_\_\_

**1. NAME AND LOCATION OF WELL:**

Well Name: Buckles "A" No. 1 Province of State of Montana - Roosevelt Cty, Mon  
Well Location and Land Description: SE/4 NW/4, Sec. 22, T28N, R51E

**2. COMMENCEMENT DATE:**

Contractor agrees to commence actual drilling operations at the above location on or before to be determined 19 \_\_\_\_\_, or, in the event Operator is to clear and grade and furnish roadway or other ingress or egress facilities within \_\_\_\_\_ days from the date of completion of the clearing and grading and construction of roadway, or such other ingress or egress facilities, whichever is the later.

**3. DEPTH:**

Subject to right of Operator to abandon the well or to have the well completed at a lesser depth, Contractor agrees to drill the well to a total contract depth of 6,000 feet ~~metres~~. Contractor will drill the well on a drilling basis (see Section 13 hereof) to \_\_\_\_\_ metres or the top of the \_\_\_\_\_ formation; or \_\_\_\_\_ metres into \_\_\_\_\_ formation, whichever is first reached. Drilling between the drilling contract depth and final contract depth, if any, shall be at daywork rates as specified in Section 13 hereof.

**4. RIG AND EQUIPMENT TO BE FURNISHED BY CONTRACTOR:**

4.1 Contractor's rig # 2 and inventory attached or see Item 4.2.

4.2 Contractor's rig # \_\_\_\_\_

Drawworks \_\_\_\_\_

Engines — number, make and models \_\_\_\_\_

Slush pumps — make, model and size \_\_\_\_\_

Auxiliary pump and power \_\_\_\_\_

Derrick or mast — make, size and capacity \_\_\_\_\_

Substructure — height and capacity \_\_\_\_\_

Drill pipe — sizes and amounts \_\_\_\_\_

Drill collars — sizes and numbers \_\_\_\_\_

Present location of rig \_\_\_\_\_

Estimated availability of rig \_\_\_\_\_

4.3 Blowout preventers — power actuated.

	BOP Size	Pressure Rating	No. & Style	BOP Pressure Tests	
				Frequency	kPa
Casing String	<u>10"</u>	<u>900</u>	<u>Shaffer</u>	<u>24 hours</u>	<u>1,000 psi</u>
Surface:					
Intermediate:					
Production:	<u>10"</u>	<u>900</u>	<u>Hydril</u>	<u>24 hours</u>	<u>1,000 psi</u>

**5. EQUIPMENT, MATERIALS AND SERVICES TO BE FURNISHED BY DESIGNATED PARTY:**

The machinery, equipment, tools, materials, supplies, instruments, servicing and labour listed as the following numbered items include any transportation required for such items unless otherwise specified and shall be provided at the location and at the expense of the party hereto as designated by an "X" in the appropriate column. (Also see Section 2.4 of the Drilling Contract).

Item

- 5.1 Provision for and maintenance of adequate roadway to location, rights of way including road tolls, highway crossings, cattleguards and gates. \_\_\_\_\_
- 5.2 Clearing and grading of location. \_\_\_\_\_

To Be Provided By	
Contractor	Operator

_____	_____
_____	_____
_____	_____

At the Expense of	
Contractor	Operator

_____	_____
_____	_____
_____	_____

Item	To Be Provided By		At the Expense of	
	Contractor	Operator	Contractor	Operator
5.3 (a) Cellar and matting _____	C		C	
(b) Rathole, conductor, mousehole expense to \$ _____ (1)		0		0
(c) Rathole, conductor, mousehole expense in excess of \$ _____ (1)		0		0
(1) includes expenses of materials, drilling, setting and cementing same.				
5.4 Slush pits or special steel pits. _____		0		0
5.5 Transportation of Contractor's rig: Operator will be responsible to move				
(a) Move in and rig up costs of \$ <u>Contractors rig to the above location</u>				
(b) Move out costs of \$ <u>including trucking and rig up labour.</u>				
(c) Stack out costs of \$ <u>Extra labour or trucking costs to move</u>				
cased well. <u>in or off location resulting from</u>				
(d) Labour costs of \$ <u>adverse lease or weather conditions</u>				
(e) Labour costs of \$ <u>will be charged to the Operator.</u>				
(f) Leveling of rig _____				
(g) _____				
5.6 Towing services to include truck charges for rig or additional equipment. _____		0		0
5.7 Special moving equipment for rig supplies or personnel if road becomes impassable by normal transportation means or vehicles. _____		0		0
5.8 Steel mud & circulating tanks of _____ m <sup>3</sup> volume. _____	C		C	
5.9 Fuel: Rig and camp _____		0		0
Boiler _____				
Other _____				
Normal fuel storage of <u>1,500 gals.</u> <del>max</del>	C		C	
Additional fuel storage of _____ litres				
The cost of fuel is included in the quoted drilling and/or daywork rates based on \$ <u>.45c per gal.</u> <del>per</del> of diesel fuel, F.O.B. location. Operator will reimburse Contractor for any additional fuel costs above \$ <u>.45c</u> per <del>gal.</del> F.O.B. location.				
5.10 Total water costs (1) for rig and camp to \$ _____ per day.		0		0
Total water costs (1) for rig and camp in excess of \$ _____ per day.				
(1) Calculated from spud to release of rig and total water costs include hauling costs prior to spud.				
5.11 Water storage at location <u>250 bbls</u> <del>max</del>	C		C	
5.12 Bits — drilling _____	C		C	
— daywork _____		0		0
5.13 Reamers, stabilizers, special drilling tools:				
— drilling _____	C		C	
— daywork _____		0		0
5.14 Diamond core barrel, handling tools and accessories _____		0		0
5.15 Casing, essentially as specified herein _____		0		0
5.16 Casing shoes, floats, centralizers, scratchers _____		0		0
5.17 Casing tools (as per casing program) _____		0		0
5.18 Power casing tongs for — surface casing _____		0		0
— intermediate casing _____		0		0
— long string _____		0		0
5.19 Tubing _____		0		0
5.20 Tubing tools _____		0		0
5.21 Tubing power tongs _____		0		0
5.22 Cement and cementing services for — surface casing _____		0		0
— intermediate casing _____		0		0
— long string _____		0		0
5.23 Extra labour for casing jobs _____		0		0
5.24 Swabbing unit with swab line _____		0		0
5.25 Swabbing accessories to include cups, lubricators, sinker bar, etc. _____		0		0
5.26 Electrical logging and other wire line formation survey services _____		0		0
5.27 Drill stem formation testing services _____		0		0
5.28 Gun or jet perforating services _____		0		0
5.29 Inspection services for Contractor's drill string _____		0		0
5.30 Special strings of drill pipe and drill collars as follows: _____		0		0
5.31 Kelly joints, subs, elevators, slips and handling tools for use with special strings of drill pipe and drill collars _____		0		0
5.32 Drill pipe protectors for kelly joints and each joint of drill pipe running inside of casing for use with normal strings of drill pipe _____		0		0
5.33 Drill pipe protectors for kelly joints and each joint of drill pipe running inside of casing for use with above noted special strings of drill pipe _____		0		0
5.34 Fishing tools and services—drilling _____	C		C	
— daywork _____		0		0
5.35 _____ pen penetration and recording device _____		0		0
5.36 Conventional drift indicator _____	C		C	

MAR02-0621



# 8. STRAIGHT HOLE SPECIFICATIONS:

Well Depth		Maximum Distance Between Surveys, metres	Maximum Deviation from Vertical, Degrees	Maximum Change of Angle (or Over-All Angle) Between Any Two Surveys, Degrees*
From	To			
<u>As determined by Operator.</u>			<u>2°</u> <u>5°</u>	<u>4°</u> <u>1°</u>
<u>Contractor will make every effort to insure that the hole remains within Operators deviation limites, however should deviation occur greater than specified above, the rig will immediately go on Daywork.</u>				
metres shall be _____				

\*Reduce proportionately for survey intervals less than 30 metres, but do not use intervals less than 10 metres. The foregoing rate of change shall not be limiting in case of whipstocking approved by Operator.

# 9. PROPOSED CORING PROGRAM:

Approx. Depth	Formation	Type Core	Size	metres
<u>To be determined by the Operator</u>				

# 10. PROPOSED WIRE LINE SURVEYS:

Type or Kind	From	To	Remarks
<u>To be determined by the Operator</u>			

# 11. PROPOSED FLUID PRODUCTION TESTS:

Type or Kind	From	To	Zone to be tested
<u>To be determined by the Operator</u>			

# 12. DESIGNATED REPRESENTATIVES:

Operator	Contractor
<u>John Abernethy</u> (name)	<u>T. Ulrichsen or R. Currie</u> (name)
<u>300 - 2705 Montana Avenue, Billings, Mon.</u> (address)	<u>800 - 304, 8th. Ave., S.W., CALGARY, Alberta.</u> (address)
<u>(406) 248-4330</u> (day telephone number)	<u>(403) 269-1411 or (403) 271-6897</u> (day telephone number)
_____ (night telephone number)	_____ (night telephone number)

# 13. COMPENSATION TO BE PAID CONTRACTOR:

- (a) For work performed on a drilling basis, the sum of \$ 20.00 <sup>foot</sup> per <sup>foot</sup> for each linear <sup>foot</sup> of hole drilled. Such linear measure shall be determined by steel line measurement and such measurement shall be from top of rotary drive bushing to the total depth drilled less distance from ground level or water bottom to the top of the rotary drive bushing and less metres drilled while work is performed on a daywork basis. If a cellar is furnished by Operator, ground level shall be determined to mean the bottom of such cellar.
- (b) For all work performed with a full crew on a daywork basis, as defined in the contract, Contractor shall be paid a rate for each twenty-four (24) hour day as follows:

Depth Intervals		With Drill Pipe	Without Drill Pipe	Using Operator's Pipe
From	To			
<u>0</u>	<u>T.D.</u>	<u>\$6,000.00</u>	<u>\$6,000.00</u>	<u>\$6,000.00</u>

- (c) A full crew shall consist of 5 men. Each shift shall consist of 8 hours. For each man the crew is short, Contractor's day rate shall be reduced by the daily rate of pay for such man.
- (d) If it becomes necessary to shut down Contractor's rig for repairs while Contractor is performing work on a daywork basis, Contractor shall be allowed compensation during such repairs at the applicable daywork rate commensurate with the stage of operations then in effect. The number of hours for which Contractor is to be compensated shall be limited as follows:
- For any one repair job: \_\_\_\_\_ hours
- Total hours per month: \_\_\_\_\_
- Total hours in the aggregate for the well: 18
- (e) For standby time while waiting on orders or materials, services or other items to be furnished by Operator, a standby rate of \$ 6,000.00 per twenty-four (24) hour day with full crew or \$ 3,600.00 per twenty-four (24) hour day with no crew. Watchmen shall be charged at \$ \_\_\_\_\_ /man/twenty-four (24) hour day. Other standby: \_\_\_\_\_

- (f) If the formation drilled to on a drilling basis is unproductive and Operator elects to plug and abandon the hole, Contractor agrees to furnish up to 12 hours of rig time without charge for such abandonment. This period begins as soon as orders are received to either run casing or abandon & continues until 5 hours after the casing is satisfactorily cemented or the last plug is run on abandonment - any additional time required to set casing or abandon will be on a Daywork basis.

- (g) During the term of the Drilling Contract, the rates set forth herein shall be revised to compensate Contractor for any escalation in its cost of labour, catering, fuel, motor oil, insurance, and transportation should such escalation be general throughout the drilling industry. The date of revision is to be the date of escalation.
- (h) The basis for payment to Contractor for equipment lost or damaged in the hole while on daywork or for equipment lost or damaged in any other circumstances where Operator is liable or responsible for Contractor's equipment under or by reason of any provision of the Drilling Contract shall be 90 percent of new replacement costs at the time of delivery, F.O.B. wellsite.
- (i) Surface Hole Clause 9.2:  
All time spent in excess of 12 hours calculated from spud to plug down after the setting and cementing of the surface casing will be charged to Operator at the applicable daywork rate.  
Operator will be charged for all bits in excess of One bits to drill the surface hole.
- (j) Loss of circulation time (See Section 9.4 of the Drilling Contract) shall be NIL hours.
- (k) Should Contractor purchase for Operator at Operator's request any materials, supplies, services or equipment, including tubular goods, which Operator is obligated to furnish under the terms of this Agreement, Operator agrees to pay Contractor within thirty (30) days after date of receipt of Contractor's invoice the actual cost of such materials, supplies, services, or equipment, plus NIL % handling charge, and NIL % handling charge for tubular goods.
- (l) Any sum or sums not paid within Sec. 4.2 6-4.3 of contract days after the due date herein specified shall bear interest at the rate of 1-1/2 percent per month from such due date until paid.

#### 14. SPECIAL PROVISIONS:

1. All rig time lost through delays caused by adverse weather conditions will be charged to the Operator on a daywork basis.
2. Extra labour costs resulting from overtime to run casing, move and rig up or out will be charged to the Operator at cost plus 20% Payroll Burden.
3. All rig time that is employed in waiting on services or supplies, including fuel and water, for reasons beyond the control of Contractor (such as conditions resulting from weather, breakdown of service company equipment, failure of service company equipment to arrive) on daywork basis.
4. In the case of any lost circulation or water flows from any formation, the rig will immediately go on a daywork basis and footage drilled during this period will be deducted from the footage invoice.
5. Any extra costs incurred as a result of any casing failures will be the responsibility of the Operator.
6. Schock-Sub rental will be charged to the Operator.
7. In the event of any casing failures, the rig will immediately go on Daywork.

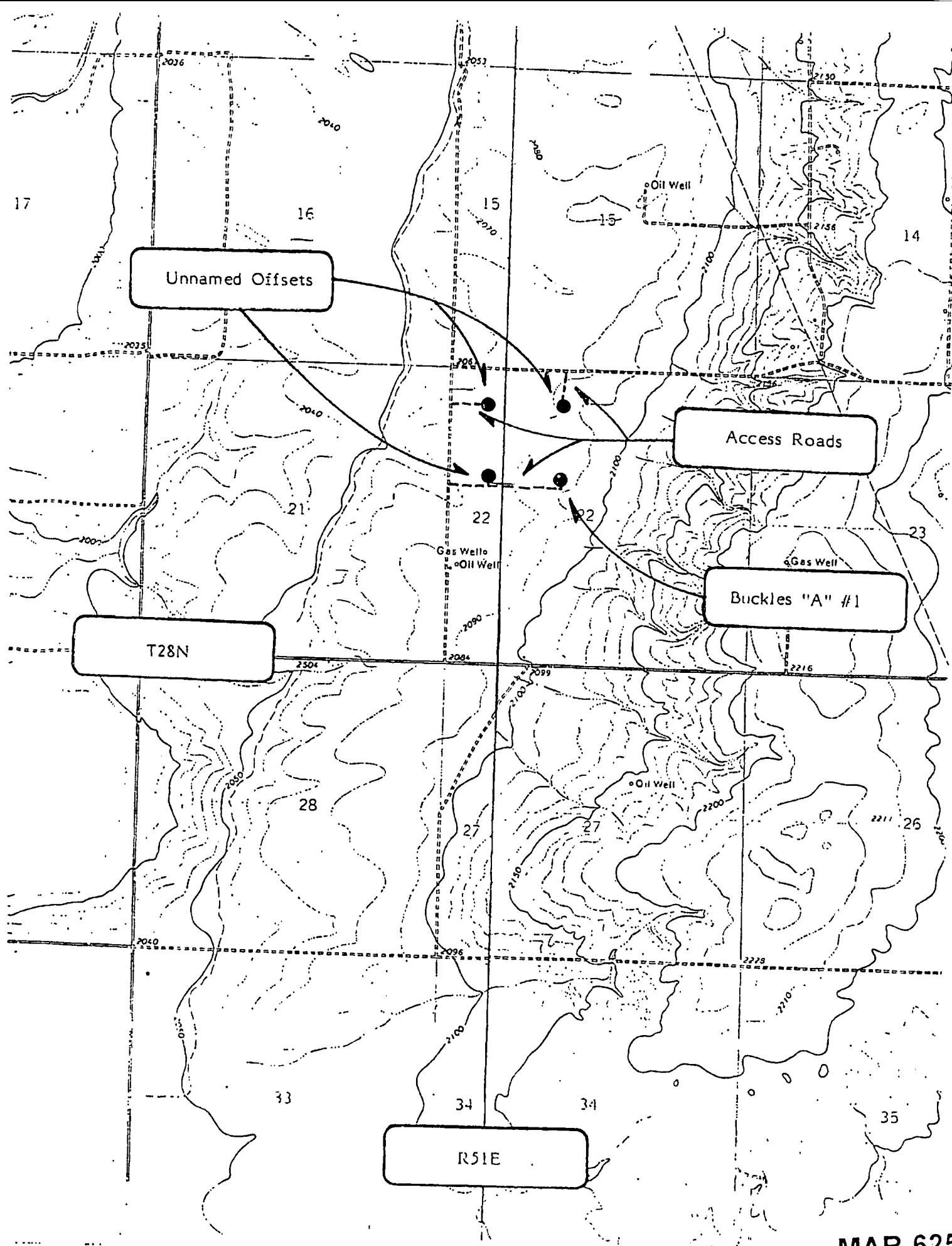
In response to the above request, our bid for the drilling of the well hereinabove described is submitted as set forth above.

Date: January 15 1981  
ACCEPTED this 28th day of January  
A.D. 19 81

BIRD DRILLING INC. - Drilling Div  
\_\_\_\_\_  
Contractor  
By: [Signature]

TEXAS OIL & GAS CORP  
\_\_\_\_\_  
Operator  
By: [Signature]

MAR02-0624



MAR-625

MAR02-0625



CONTRACT NUMBER	
OPERATOR	CONTRACTOR

## STANDARD DRILLING CONTRACT

THIS AGREEMENT made and entered into by and between TEXAS OIL & GAS CORP.  
2705 Montana Avenue  
Suite 300  
BILLINGS, Montana 59101  
hereinafter called Operator, and BIRD DRILLING INC. - Drilling Division  
800 - 304, 8th Avenue S.W.  
CALGARY, Alberta  
T2P 1C2  
hereinafter called Contractor

### WITNESSETH THAT:

WHEREAS Operator is the owner, and/or Operator, of certain property or properties on which it desires to have a well drilled and completed in search of oil or gas; and

WHEREAS Contractor represents that it has adequate equipment in good working order and personnel capable of efficiently operating such equipment with which it desires to drill and complete such well for Operator;

NOW THEREFORE the parties hereto, each in consideration of the covenants and agreements of the other, mutually agree as follows:

### 1. WORK TO BE DONE, LOCATION, COMMENCEMENT DATE AND DEPTH:

1.1 Contractor agrees to drill and complete the hereinafter designated well in accordance with all the provisions hereof and other conditions and specifications set forth in the Bid Sheet and Well Specifications, identified as Exhibit A attached to and made part of this Agreement.

1.2 Contractor further agrees to commence operations for the drilling of the well at the location, on the date and to the depth agreed upon in Sections 1, 2 and 3 of Exhibit A hereto.

### 2. LABOUR, EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES:

2.1 Contractor shall furnish the labour, equipment, materials, supplies and services described in Exhibit A.

2.2 Additional material, equipment, special tools, supplies and services necessary or proper to the drilling and completion of the well shall be furnished at the drill site by the party designated in Section 5 of Exhibit A. Should other tools, materials, equipment, supplies, apparatus or services be necessary to the drilling or completion of the well, the cost of such tools, materials, equipment, supplies, apparatus or services and the manner in which they are to be furnished are to be agreed upon by the parties hereto.

2.3 Operator shall stake the location of the well and shall furnish such labour, materials, supplies and services as are specifically set out in Section 5 of Exhibit A.

2.4 Should Contractor purchase for Operator at Operator's request any materials, supplies, services or equipment, including tubular goods, which Operator is obligated to furnish under the terms of this Agreement, Operator agrees to pay Contractor within thirty (30) days after date of receipt of Contractor's invoice the actual cost of such materials, supplies, services, equipment, or tubular goods, plus handling charge specified in Exhibit A. Contractor agrees to furnish Operator copies of suppliers', vendors' or third party invoices covering such materials, supplies, services or equipment.

### 3. DRILLING RATE, DAYWORK RATE, STANDBY RATE, BASIS OF DETERMINING AMOUNTS PAYABLE TO CONTRACTOR:

3.1 Subject to all of the other provisions hereof, Operator agrees to pay Contractor for the work performed, services rendered, and the materials, equipment and supplies furnished by Contractor, a sum computed as hereafter prescribed.

3.2 For work performed on a drilling basis, Contractor shall be paid the rate agreed upon and specified in Section 13(a) of Exhibit A, multiplied by the linear measure of the hole drilled. Such linear measure of hole drilled shall be determined in the manner specified in Exhibit A.

3.3 For work performed on a daywork basis, Contractor shall be paid the daywork rate per twenty-four (24) hour day agreed upon and specified in Section 13(b) of Exhibit A.

3.4 If it is necessary to shut down Contractor's rig for repairs while Contractor is performing work on a daywork basis, Contractor shall be allowed compensation in the manner set out in Section 13(d) of Exhibit A.

3.5 When Contractor's rig is shut down, although in readiness to resume operations, but Contractor is awaiting orders of Operator, or materials, services or other items which Operator is obligated to furnish, Operator agrees to pay Contractor the standby rate specified in Section 13(e) of Exhibit A.

3.6 If loss of circulation occurs while operations are being conducted on a drilling basis, all operations until circulation is restored are to be conducted in accordance with the provisions set forth in Section 9 hereof.

3.7 The term "daywork" shall mean the work performed by Contractor at a stipulated sum per day as distinguished from work for which Contractor is compensated at a stipulated price per metre of hole drilled. Unless otherwise provided herein, the term "daywork" shall include, but not be limited to, the following work performed by Contractor:

- All drilling below the contract drilling depth as provided in Exhibit A, including the setting of any string of casing below such depth.
- All work performed by Contractor, whether or not prior to reaching the contract drilling depth, in an effort to restore the hole to such condition that further drilling or other operations may be conducted, in the event of loss or damage to the hole as a result of the failure of Operator's casing or equipment either during or after the running and setting of such casing, or as a result of the subsequent failure of the cementing job resulting in parted casing.
- All other work performed by Contractor at the request of Operator, regardless of depth, which is not within the scope of the work to be performed on a drilling basis including, but not limited to, all coring, drill stem testing, bailing, gun or jet perforating, electric logging, acid treatment, cleaning out, hydraulic fracturing, plugging, running tubing, setting liners, squeeze cementing, abandoning well and installation of well head equipment.

3.8 In determining the amount of daywork time for which Contractor is to be compensated, it is agreed, except as provided in Section 9 hereof, that such daywork time shall begin when Contractor, at the request of Operator, suspends normal drilling operations being conducted on a drilling basis, and shall include the time required to restore the hole to the same drilling conditions which existed when operations on a drilling basis were suspended. For daywork comprising less than a twenty-four (24) hour day, Contractor shall be paid the proper fractional part of the amount specified for a twenty-four (24) hour day. The proper fractional part of the time shall be computed to the nearest one-quarter ( $\frac{1}{4}$ ) hour.

#### 4. TIME OF PAYMENT:

4.1 Conditional upon Contractor's compliance with the terms and conditions of this Agreement, Operator agrees to make payments to Contractor, as herein set out, until such time as the designated well is completed or abandoned.

4.2 Payment for work performed on a drilling basis shall be due and payable when Contractor completes performance of drilling work provided for by this contract. If Contractor performs any daywork prior to reaching the drilling contract depth, payment for such daywork shall be due and payable at the close of each calendar month.

4.3 If the duration of the hole is more than one month, payment shall be due and payable at the close of each calendar month for the metres drilled in such month.

4.4 Any sum or sums not paid after the due date herein specified shall bear interest at the rate specified in Exhibit A.

#### 5. STOPPAGE OF WORK BY OPERATOR:

5.1 Notwithstanding the provisions of Section 3 of Exhibit A, Operator shall have the right to direct the stoppage of the work to be performed by Contractor hereunder at any time prior to reaching the specified depth, and even though Contractor has made no default hereunder. In such event Operator shall be under no obligation to Contractor except as follows:-

5.2 If such work stoppage occurs prior to spudding of the well, Operator shall pay to Contractor the sum of the following:- (a) all expenses reasonably and necessarily incurred by Contractor by reason of the contract and by reason of the premature stoppage of the work excluding, however, expenses of normal drilling crew and supervision; (b) fifteen percent (15%) of the amount of the expenses of item 5.2(a); and (c) a sum calculated at the standby rate with crews for all time from the date upon which Contractor commences any work hereunder down to such date subsequent to the date of work stoppage as will afford Contractor reasonable time to dismantle his rig and equipment.

5.3 If such work stoppage occurs after the spudding of the well, Operator shall pay to Contractor the sum of the following:- (a) all expenses reasonably and necessarily incurred by Contractor by reason of the contract and by reason of the premature stoppage of the work excluding, however, expenses of normal drilling crew and supervision; (b) fifteen percent (15%) of the amount of the expenses in item 5.3 (a); and (c) a sum calculated at the daywork rate or standby rate with crews, whichever is applicable at the time, for all time from the date upon which Contractor commences any work hereunder down to such date subsequent to the date of work stoppage as will afford Contractor reasonable time to dismantle his rig and equipment.

#### 6. TAKE-OVER BY OPERATOR:

6.1 In the event of default on the part of Contractor in the performance of the work Operator shall give Contractor written notice thereof which shall specify in detail the nature of the default. Contractor shall have seven (7) days after receipt of such notice in which to correct or remedy the matter specified in such notice. If Contractor within the said seven (7) days period fails to correct or remedy the matter specified in such notice to Operator's satisfaction, Operator may take possession of any or all of Contractor's tools, rig, machinery and equipment at the well site and, with Operator's own employees or the employees of some other contractor, complete all or any portion of the work contemplated by this Agreement. If Operator takes over Contractor's tools, rig, machinery and equipment as herein provided, Operator shall pay Contractor during such take-over the standby with crew rate as provided in Section 13(d) of Exhibit A, less Operator's direct labour charges.

6.2 Operator shall, either at the completion or abandonment of the hole or in accordance with item 6.5 hereof, whichever is the sooner, return to Contractor all tools, rig, machinery and equipment so taken over in as good condition as when taken over, normal wear and tear excepted.

6.3 If Contractor carries insurance on Contractor's tools, rig, machinery and equipment such insurance shall be continued in effect during such take-over and Operator shall reimburse Contractor for the cost of such insurance during such take-over.

6.4 If Contractor's tools, rig, machinery and equipment are taken over by Operator as herein provided, all operations performed therewith during such take-over period shall be wholly at Operator's risk. Contractor's covenants of indemnity contained in this Agreement shall not apply during such take-over period.

6.5 If, after Operator has taken over possession of any or all of Contractor's tools, rig, machinery and equipment as herein provided, Contractor demonstrates to the satisfaction of Operator that Contractor can correct or remedy the matter specified on Operator's notice pursuant to item 6.1 above, Operator shall return to Contractor all tools, rig, machinery and equipment so taken over and thereafter the provisions of this Agreement shall again apply.

#### 7. CASING PROGRAM:

7.1 The casing program shall be as provided in Section 6 of Exhibit A. The exact setting depth of each string of casing, the amount of cement, and the process to be used in cementing shall be specified by Operator at the time of each casing setting. Operator may modify said casing program but any modification thereof which materially increases Contractor's hazard or cost of performing its obligations hereunder can only be made by mutual agreement of Contractor and Operator.

7.2 Contractor shall run and cement all strings of casing and shall be compensated therefor either at drilling rates or at daywork rates as set out in Section 6 of Exhibit A. If casing is run and cemented at drilling rates, Contractor shall at its expense condition the hole (except following daywork operations), run and cement the casing and wait on cement to harden, with prescribed waiting time to commence when plug hits bottom. If casing is run and cemented at daywork rates, Contractor shall be paid for all time consumed in the process at applicable daywork rates. Recementing or time requested by Operator in excess of allowed cement hardening time shall be paid at applicable daywork rates. The setting of any string of casing below the contract depth shall be performed by Contractor under the direction of Operator and Operator shall pay for all time so consumed at the applicable daywork rate.

7.3 Contractor agrees to keep thread protectors on the casing until the casing is taken from the racks to be run into the hole, and to grease the thread with a suitable pipe lubricant as it is made up. Contractor further agrees to preserve all protectors and, after well is completed, to break down all surplus casing, put protectors on same as it is broken down and return such casing to the pipe racks at the rig.

7.4 If the hole is lost or damaged as a result of the failure of Operator's casing or equipment either during the running and setting of such casing or as a result of subsequent failure of the cement job or as a result of casing wear, such loss shall be borne by Operator.

#### 8. DRILLING METHODS AND PRACTICES:

8.1 Contractor agrees to perform all work to be conducted by it under the terms of this Agreement with due diligence and care in a good and workmanlike manner and in accordance with good drilling practices.

8.2 Contractor agrees to maintain its well control equipment in good operating condition at all times, testing it as prescribed in Section 4 of Exhibit A, and shall use all reasonable means to control and prevent fire and blowouts.

8.3 Subject to the terms hereof, Contractor agrees that at all times during the drilling of the well the Operator shall have the right to control the mud program. The drilling fluid must be of a type and have characteristics acceptable to Operator and be maintained by Contractor in accordance with the specifications shown in Section 7 of Exhibit A. No change or modification of said specifications which would materially increase Contractor's hazards or Contractor's costs of performing its obligations hereunder shall be made by Operator without consent of Contractor. Both Contractor and Operator shall have the right to make any tests of the drilling fluid which may be necessary. Should no mud control program be specified by Operator in Exhibit A, Contractor shall have the right to determine the mud program and the type and character of the drilling fluid during the time that Contractor is performing work upon a drilling basis under the terms of this Agreement.

8.4 Contractor agrees to keep a drilling time log of the well noting the depth and to save and label samples of formations as Operator may request. Such log shall at all times be subject to inspection of Operator or its representative; and, upon completion or abandonment of the well to which it pertains, shall become the exclusive property of Operator.

8.5 Contractor agrees that every effort will be made to drill a straight hole and to make diligent effort to maintain its slope within the allowable limits specified in Exhibit A. Contractor agrees to make slope tests as specified in Section 8 of Exhibit A, with the cost of making such slope tests to be included in the drilling rate if the well is being drilled on a drilling basis. If the slope of the hole is found to be beyond the limits specified in Exhibit A while work is being conducted on a drilling basis and if requested by Operator prior to running casing, Contractor agrees at its cost to cement off, redrill, or correct the slope of the hole to the satisfaction of Operator. Operator reserves the right to require slope tests additional to those specified in Exhibit A. In making such additional slope tests, if it is found that the slope of the hole is beyond the prescribed limits set forth in Exhibit A, the cost of such tests is to be borne by Contractor; and, if requested by Operator, prior to running casing, Contractor agrees at its own cost to cement off, redrill or correct the slope of the hole to Operator's satisfaction. If the slope of the hole is found to be within the prescribed limits of Exhibit A, rig time used to make the test shall be paid for at the applicable daywork rate.

#### 9. FORMATIONS DIFFICULT OR HAZARDOUS TO DRILL:

9.1 If chert, pyrite, quartzite, igneous rock or other impenetrable substances are encountered while drilling on a drilling basis and the metres drilled during each twenty-four (24) hour period multiplied by the drilling rate does not equal the applicable daywork rates plus the costs of bits, all drilling operations shall be conducted on a daywork basis at the applicable daywork rate with the Operator furnishing the bits until normal drilling operations and procedures can be resumed. The metres so drilled on daywork shall be deducted from the drilling charge.

9.2 If gravel, boulders, loss of circulation or deviation difficulties due to gravel or flowing water is encountered during the drilling of the surface hole, all time spent in excess of hours as set forth in Exhibit A, calculated from spud to plug down after the setting and cementing of surface casing will be charged to Operator at the applicable daywork rate. Operator will be charged for all bits in excess of number of bits as set forth in Exhibit A to drill the surface hole. In addition, the applicable drilling rate will apply to the total depth of the surface hole should such conditions prevail during the drilling of the surface hole.

9.3 If water flow, domal formation, abnormal pressure, underground mine or cavern, heaving shale, coal, or other similar condition is encountered under the surface casing shoe which makes drilling abnormally difficult or hazardous, causes sticking of drill pipe or casing, or other similar difficulty which precludes drilling ahead under reasonably normal procedures, Contractor shall, in all cases, without delay, exert every reasonable effort to overcome such difficulty and so notify Operator. When such condition or conditions are encountered, further operations shall be conducted on a daywork basis at the applicable daywork rate until such conditions have been overcome and normal drilling operations can be resumed. Operator shall assume the risks of loss of or damage to the hole and to Contractor's equipment in the hole from the time such condition is encountered. The meters drilled while on such daywork operations shall be deducted from the drilling charge.

9.4 If loss of circulation or partial loss of circulation is encountered under the surface casing shoe, Contractor shall, without undue delay, exert every reasonable effort to overcome such difficulty. Immediately when such condition is encountered, Operator shall assume the risks of loss of or damage to the hole and to Contractor's equipment in the hole. Should such condition persist in spite of Contractor's efforts to overcome it, then after a cumulative period of time has been consumed in such efforts, further operations shall be conducted on a daywork basis at the applicable daywork rate until such condition has been overcome and normal drilling operations can be resumed.

#### 10. CORINGS AND CUTTINGS:

10.1 Contractor agrees to take cores as set out in Section 9 of Exhibit A and, in so doing, to utilize a type of equipment specified therein. All coring shall be paid for at the applicable daywork rate unless otherwise specified in Exhibit A.

#### 11. REPORTS TO BE FURNISHED BY CONTRACTOR:

11.1 Contractor shall keep and furnish to Operator a daily drilling report showing depth of the hole and such other data as required by Operator. Drilling report forms shall be furnished or specified by Operator. In the absence of specifications by Operator, the C.A.O.D.C. Daily Drilling Report Form shall be used.

11.2 Delivery tickets covering any materials or supplies furnished by Operator or furnished by vendors for which Operator is obligated to reimburse Contractor and showing the quantity, description and condition of materials and supplies so furnished shall be verified and visually checked as to receipt by Contractor's representative.

#### 12. INSURANCE AND INDEMNITY:

12.1 At all times during the term of this Agreement, Contractor agrees to carry insurance of types and in minimum amounts as follows:

- (a) Comprehensive General Liability Insurance with limits of \$300,000 inclusive, for bodily injury and property damage, or with limits as specified in Exhibit A hereto.
- (b) Employer's Liability Insurance with limits of \$300,000 inclusive, for bodily injury and property damage, or with limits as specified in Exhibit A hereto.
- (c) Automobile Liability Insurance with limits of \$300,000 inclusive, for bodily injury and property damage, or with limits as specified in Exhibit A hereto.
- (d) Adequate Worker's Compensation Insurance covering all Contractor's employees working under this Agreement which complies with Provincial, Territorial or Federal laws and regulations applicable to this Agreement.
- (e) Other insurance as specified in Exhibit A hereto.
- (f) All such insurance shall be carried in a company or companies acceptable to Operator and shall be maintained in full force and effect during the terms of this Agreement. Contractor agrees to have its insurance carrier and/or agent furnish Operator with a certificate or certificates evidencing insurance coverage in accordance with the above requirements.

12.2 In the event Contractor is a self-insurer and Operator has consented to Contractor being a self-insurer as to any one or more of the risks as to which coverage is herein required, evidence of such consent must be in writing and approved by a representative of Operator authorized to enter into such consent agreement.

12.3 Each party shall furnish to the other, on written request, copies of all its insurance policies relating to its operations hereunder and, if charged to the other party, premium receipts in respect thereof.

12.4 All insurance taken out by Contractor hereunder and any insurance taken out by Operator relating to this Agreement or any related subcontract shall be for the benefit of both parties. Provision shall be made that the underwriters thereof waive their rights of recourse against the other party hereto and against all persons for whom such other party is responsible in connection with this Agreement.

#### 13. TAXES AND CLAIMS:

13.1 Contractor agrees to pay all taxes, licenses and fees levied or assessed on Contractor in connection with or incidental to the performance of this contract by any governmental agency for unemployment compensation insurance, old age benefits or any other taxes upon the wages of Contractor, its agents, employees, or representatives. Contractor agrees to require the same agreements and be liable for any breach of such agreements by any of its subcontractors.

13.2 Contractor agrees to pay all claims for labour, material, services and supplies furnished by Contractor hereunder and agrees to allow no lien or charge to be fixed upon the lease, the well or the land on which the well is to be drilled. Contractor agrees to indemnify, protect and save Operator harmless from and against all such claims and liens. If Contractor shall fail or refuse to pay any bona fide claims or indebtedness incurred by Contractor in connection with the drilling of any well or wells hereunder, it is agreed that Operator shall have the right to pay any such bona fide claims or indebtedness out of any money due or to become due to Contractor hereunder. No assignment or transfer by Contractor of rights to monies due Contractor hereunder shall have any force or effect as far as Operator's rights are concerned until all such claims and indebtedness incurred by Contractor shall have been completely liquidated and discharged.

13.3 Operator may require Contractor to furnish proof that there are no unsatisfied claims for labour, materials, services and supplies.

13.4 Operator may withhold a percentage of the price agreed to be paid Contractor for the purpose, in the manner, and for the time provided in applicable mechanic's or builder's lien legislation of the area where the work is performed, said percentage to be ultimately released in accordance with such legislation.

#### 14. RESPONSIBILITY FOR LOSS OF OR DAMAGE TO THE EQUIPMENT OR TO THE HOLE:

14.1 Contractor's Surface Equipment: Contractor shall be liable at all times for damage or destruction of Contractor's surface equipment including all drilling tools, machinery, and appliances for use above the surface, and for any other type of equipment, including in-hole equipment when such in-hole equipment is above the surface regardless of when or how such damage or destruction occurs except loss or damage thereto caused by the gross negligence or wilful acts or omissions of Operator or Operator's agents, servants or employees or any loss or damage thereto occurring during the time that operations have been taken over by Operator as provided in Paragraph 6 hereof and except as provided in Paragraph 14.4 and 18.2 hereof.

14.2 Contractor's In-Hole Equipment — Drilling Basis: Contractor shall be liable at all times while work is being performed on a drilling basis for loss of, damage to or destruction of Contractor's in-hole equipment, including drill pipe, drill collars and tool joints. Operator shall be under no liability to reimburse Contractor for any such loss, damage or destruction except such as is caused by gross negligence or wilful acts or omissions of Operator or Operator's agents, servants or employees.

14.3 Contractor's In-Hole Equipment — Day Work Basis: Operator shall assume liability at all times for damage to or destruction of Contractor's in-hole equipment while such equipment is below the surface including but not limited to drill pipe, drill collars and tool joints, regardless of fault or negligence or alleged fault or negligence. The basis of reimbursement shall be as specified in Section 13(h) of Exhibit A.

14.4 Contractor's Equipment — Environmental Loss or Damage: Operator shall assume liability at all times and reimburse Contractor for damage to or destruction of Contractor's equipment both surface and in-hole equipment caused by exposure to corrosive or otherwise destructive or abrasive elements which are introduced into the drilling fluid from subsurface formations or the use of corrosive, destructive or abrasive additives in the drilling fluid. The basis of reimbursement shall be as specified in Section 13(h) of Exhibit A.

14.5 Operator's Equipment: All machinery, tools, material and equipment furnished by Operator shall, at the completion or abandonment of the well, be returned to Operator in as good condition as when received by Contractor, ordinary wear and tear excepted; provided that Contractor shall not be liable to Operator for any loss or damage to such machinery, tools, material and equipment over and beyond ordinary wear and tear except that due to gross negligence of Contractor and Contractor's employees.

14.6 The Hole — Drilling Basis: Except as provided in Section 9 and Section 14.8 hereof, should the hole for any cause attributable to Contractor's operations be lost or damaged while Contractor is engaged in the performance of work hereunder on a drilling basis, all such loss or damage to the hole shall be borne by the Contractor; and if the hole as the result of such cause is not in condition to be carried to the contract depth as herein provided, Contractor shall, if requested by Operator, commence a new hole without delay at Contractor's cost; and the drilling of the new hole shall be conducted under the terms and conditions of this contract in the same manner as though it were the first hole. In such case Contractor shall not be entitled to any payment or compensation for expenditures made or incurred by Contractor on or in connection with the abandoned hole, except for daywork earned in coring, testing, logging, or other daywork for which Contractor would have been compensated had such hole not been junked and abandoned.

14.7 The Hole — Daywork Basis: In the event the hole is lost or damaged while Contractor is working on a daywork basis or as a result of work performed on a daywork basis, Operator shall be responsible for such loss or damage to the hole including casing in the hole and any underground reservoir formation or stratum; and if the hole as the result of such cause is not in condition to be carried to the contract depth as herein provided, Contractor shall, if requested by Operator, commence a new hole without delay at Operator's cost; and the drilling of the new hole shall be conducted under the terms and conditions of this contract in the same manner as though it were the first hole.

14.8 Liability for Wild Well: Operator shall be liable for the cost of gaining control of any wild well, as well as the cost of removal of any debris and re-drilling expenses and Operator shall indemnify and save harmless Contractor against and from all such costs.

14.9 Personnel: Each party shall be responsible at all times for, and shall hold harmless and indemnify the other party from and against, loss of life or personal injury to its own personnel regardless of fault or negligence or alleged fault or negligence.

#### 15. INDEPENDENT CONTRACTOR RELATIONSHIP:

15.1 Contractor shall be an independent contractor with respect to performance of all work hereunder and neither Contractor nor anyone employed by Contractor shall be deemed for any purpose to be the employee, agent, servant or representative of Operator in the performance of any work or service or any part thereof in any manner dealt with hereunder. Operator shall have no direction or control of Contractor or its employees and agents except in the results to be obtained. The work contemplated herein shall meet the approval of Operator and be subject to the general right of inspection herein provided for Operator to secure the satisfactory completion thereof.

#### 16. LAWS, RULES AND REGULATIONS:

16.1 Contractor and Operator respectively agree to comply with all laws, rules and regulations, Federal, Provincial and Territorial, which are now or may become applicable to operations covered by this agreement or arising out of the performance of such operations.

#### 17. FORCE MAJEURE:

17.1 Neither Operator nor Contractor shall be liable for failure to perform its obligations under this Agreement when performance is hindered or prevented by strikes, lock-outs, riots, war (declared or undeclared), acts of God, insurrection, fire, storm, hurricane, orders or regulations of any governmental authority, delays in transportation, inability to obtain the necessary materials and supplies on the open market or any other cause, whether similar or dissimilar to those specifically enumerated, beyond the reasonable control of the party affected; but lack of funds shall not be considered a cause beyond the reasonable control of a party. The performance of any such suspended obligation shall be resumed as soon as reasonably possible after such cause ceases to exist. Nothing in this Item 17.1 shall relieve (a) Operator of its obligation under this Agreement to pay the appropriate dayrate(s) or (b) either party of its respective indemnification provisions specified in this Agreement.

#### 18. SOUND LOCATION, INGRESS AND EGRESS:

18.1 Operator shall secure for Contractor rights of ingress and egress to the tract of land on which the well is to be drilled. Operator shall advise Contractor of any limitations or restrictions affecting ingress and egress and Contractor shall abide by such limitations or restrictions. Should Contractor be denied free access to the location for any reason not within the control of Contractor, time lost by such denial shall be paid for at a rate in keeping with the stage of operations at the time.

18.2 Operator shall be responsible (except as otherwise noted in Section 5 of Exhibit A) for preparing a sound location fully capable of supporting a drilling rig of the type and size specified in Exhibit A as well as a fully adequate conductor pipe program to assure that any soil or subsoil will not wash out. It is also recognized that Operator has superior knowledge of the location and must advise Contractor of any known subsurface conditions such as, but not limited to, mines, caverns, streams or springs that might be encountered which result in the cratering or the shifting of the location surface during the course of operations. If such conditions are encountered and result in the cratering or shifting of the location surface, Operator shall assume responsibility and pay all cost necessary to protect the drilling rig, its associated equipment and personnel from damage or harm. Operator shall be liable for all loss resulting from the conditions referred to in this paragraph and shall protect, indemnify and save harmless Contractor from and against all claims, demands and causes of action of any nature arising therefrom, including all associated legal costs.

#### 19. POLLUTION AND CONTAMINATION:

19.1 It is understood and agreed by and between both parties that the responsibility for pollution or contamination shall be as follows:

- Contractor shall assume responsibility for, including the control and removal of, and protect, defend and save harmless Operator against, all claims, demands and causes of action of every kind and character arising from pollution or contamination which originates above the surface of the ground from spills of fuels, lubricants, motor oils, wire cuttings, pipe dope, water, paints, solvents and garbage wholly in possession and control and directly associated with Contractor's equipment and facilities; expressly excepting slush pit breakage or seepage.
- Operator shall assume responsibility for, including control and removal of, and protect, defend and save Contractor harmless from and against, all claims, demands and causes of action of every kind and character arising from all other pollution or contamination which occurs during the conduct of operations hereunder including, but not limited to, that which may result from slush pit breakage or seepage, fire, blowout, cratering, or any other uncontrolled flow of oil, gas, water or other substance as well as the use or disposition of oil emulsion, water or oil base chemically treated drilling fluids, cuttings or caving and lost circulation materials or fluids, and the items of equipment wholly in possession and control of Operator and directly associated with Operator's equipment or facilities. Operator shall provide a suitable site for the removal, burning or burying of any garbage, oil waste products or other similar pollutants normally associated with a drilling rig operation. The site so designated shall be built at the sole cost of Operator; Contractor shall be advised by Operator as to any Provincial, Territorial or Federal regulations governing the use of such a site; Operator shall protect, indemnify and save harmless Contractor from and against all claims arising from its use.

#### 20. PATENTS AND LICENSES:

20.1 Contractor represents and warrants that the use or construction of any and all tools and equipment furnished by Contractor and used in the work provided for herein does not infringe on any license or patent which has been issued or applied for. Contractor agrees to indemnify and hold Operator harmless from any and all claims, demands, and causes of action of every kind and character in favor of or made by any patentee, licensee or claimant of any right or priority to any such tool or equipment, or the use or construction thereof, which may result from or arise out of the furnishing or use of any such tool or equipment by Contractor in connection with the work under this agreement.

#### 21. INFORMATION CONFIDENTIAL:

21.1 All information obtained by Contractor in the conduct of drilling operations on this well including, but not limited to, depth, formations penetrated, the results of coring, testing, surveying, the running of casing and the running of abandonment plugs, shall be considered confidential and shall not be divulged by Contractor, or his employees, to any person, firm or corporation other than Operator's designated representative.

#### 22. ENTIRE AGREEMENT:

22.1 This agreement (including Exhibit A hereto) constitutes the entire agreement between Operator and Contractor in connection with the subject matter hereof and supersedes all prior agreements, arrangements, negotiations, representations or understandings by or between them, whether written or otherwise.

#### 23. INTERPRETATION:

23.1 Whenever the singular or masculine or neuter is used in this agreement, the same shall be construed as meaning plural, feminine or body politic or corporate and vice versa where the context so requires.

WITNESS the signatures of the parties hereto in DUPLICATE ORIGINALS, this 28th

day of January, A.D. 1981

WITNESS: (unless signed under seal)

Edwin H. Hays

WITNESS: (unless signed under seal)

John J. Hall

TEXAS OIL & GAS CORP.

Operator

By: Donald Chan

By: JB

BYRD DRILLING INC. - Drilling Div.

Contractor

By: R. L. Linn

By: R. L. Linn

MAR02-0629

MAR-629

REPORT OF PRODUCTION - MONTANA  
BUCKLES "A" #1

MAR02-0630

MAR-630

MIPA -154

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-229)

(2-75)

OMB 42-RD 336

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 23-005005

Communitization Agreement No.

Field Name EAST POLLAR

Unit Name BUCKLES

Participating Area ROOSEVELT

County State MT

Operator TXO PRODUCTION CORP.

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of MAY, 1984

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.50), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & T. of S.	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
A-1	SENW22	28N	51E	OSI	0	0	0	0	PLUGGED 5-21-84
SWD	SENW22	28N	51E	OSI	0	0	0	0	PLUGGED 5-21-84
		17	BBLS	BS&W TANK BOTTOM					

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	17	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: *D. W. Boughty* Address: TXO PRODUCTION, BOX 1165, WILLISTON

Title: PETROLEUM TECHINCHIAN

Page of.

MAR02-0631

MAR-631

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
FORM 9-329

12 75  
OMB 42-20 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 23-005 '39  
Communitization Agreement No. \_\_\_\_\_  
Field Name EAST POPLAR  
Unit Name BUCKLES  
Participating Area NA  
County ROOSEVELT State MT  
Operator TXO PRODUCTION CORP  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of MAY 1984

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 129, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.50), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No	Sec. & 1/4 of 36	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
B-1	SENW22	28N	51E	OSI	0	0	0	0	PLUGGED 5-2
	WELL	PLUGGED	5-21-84						

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (2BLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity STU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: TXO PRODUCTION, BOX 1165, WILLISTO  
Title: PETROLEUM TECHINCHIN Page \_\_\_\_\_ of \_\_\_\_\_

MAR02-0632

MAR-632

(SUBMIT IN TRIPLICATE)  
TOBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F L UNIT

PROD

CNTY

☐ 12 CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES A -1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>J. W. Boughly</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	<input type="checkbox"/> NO WELLS PRODUCED
		11. MONTH OF MAY 1984	<input type="checkbox"/> NO WELLS SHUT IN

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLs OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLs OF WATER
# 1	085-21267	0	22	28N	51E		CHARLES "C"	-0-	-0-	-0-
WELL PLUGGED 5-21-84										
17 BBLs BS&W TANK BOTTOM										

25. INVENTORY SUMMARY	BBLs OIL AND COND.	MCF OF GAS	BBLs OF WATER	26. DISPOSITION INFORMATION	Bbls of MCF
On Hand Start of Month	0	0	0	BUYER	MARTON
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0	0	BUYER	
Spilled This Month	0	0	0	TRANSPORTER	
Flared or Vented	0	0	0	BUYER	
Used on Lease	0	0	0	TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits	0	0	0	TRANSPORTER	
Other	0	0	0		

MAR02-0633

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-633

Oil or Gas  
WellsBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

BOARD USE ONLY

	PLANT
	PROD
	CONV

ARM 3-22-80  
ARM 3-22-81  
ARM 3-22-82☐ 12 CHECK IF  
AMENDED REPORT

1. PRODUCER TMC PRODUCTION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE UNIT NAME BUCKLES A -1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND		9. COUNTY ROOSEVELT	14. LEASE STATUS
5. ZIP 58601		10. CHECK IF ADDRESS CHANGE	
6. DATE APRIL 14			

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO. (LAST 5 DIGITS)	17. DATE PRODUCED	18. SEC	19. TWP	20. RGE	21. PRODUCING FORMATION	22. BBL'S OF OIL / COND	23. MCF GAS @ 14.73 PSIA	24. BBL'S OF WATER
1	065-21267	0	22	28N	51E	CHARLES "C"	-0-	-0-	-0-

25. INVENTORY SUMMARY	BBL'S OIL AND COND.	MCF OF GAS	BBL'S OF WATER	26. DISPOSITION INFORMATION	BBL'S OF MCF
On Hand Start of Month	0	0	0	BUYER	WILKINSON
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0	0	BUYER	
Spilled This Month	0	0	0	TRANSPORTER	
Flared or Ventd	0	0	0	BUYER	
Used or Leased	0	0	0	TRANSPORTER	
Other	0	0	0	BUYER	

NOTE: Separate production reports covering separate lease units must be filed with the Montana Board of Oil and Gas Conservation by the 20th day of each calendar month for the month covered by the report.

MAR02-0634

MAR-634

548 551 554

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 23-005066  
 Communication Agreement No. \_\_\_\_\_  
 Field Name EAST POLLAR  
 Well Name BUCKLES  
 Participating Area \_\_\_\_\_  
 County ROOSEVELT State MT  
 Operator TWO PRODUCTION CORP.  
 I Attach Report \_\_\_\_\_

This following is a current report of operations and production (including status of all unplugged wells) for the month of APRIL 1984.

(See Reverse of Form for Instructions)

This document is subject to 32 USC 199, 50 USC 399, 31 USC 3702, Regulation 32 CFR 221.50, and the terms of the license to receive or retain the assessment of hazardous cargoes (32 CFR 221.54 (ii), stating down operations, or basis for recommendation to cancel the state and to let the bond (32 CFR 221.53).

Well No.	Sec. & Twp.	RNG	Well Status	Days Prod.	Barrels of Oil	Feet of Gas	Barrels of Water	Remarks
A-1	SE NW 22	28N	51E	OSI				
SWD	SE NW 22	28N	51E	OSI				

MAR02-0635

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
* On hand, Start of Month	17	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
* Produced	0	0	0
* Sold	0	0	XXXXXXXXXXXXXXXXXXXX
* Spilled or Lost	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
* Flared or Ventd	XXXXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXXXX
* Used on Lease	0	0	XXXXXXXXXXXXXXXXXXXX
* Injected	0	0	0
* Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	0
* Other (Identify)	0	0	0
* On hand, End of Month	17	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
* API Gravity		0	XXXXXXXXXXXXXXXXXXXX
* BTU Content			
Authorized Signature: <i>A. W. Bloughly</i>	FIDELITY-TWO PRODUCTION, BOX 1165, WILLISTO		
TITLE: PETROLEUM TECHINCHIAN	Page of		

**MAR-635**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WELL NO. 23-005439

MONTHLY REPORT  
OF  
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for  
of APRIL, 1984

(See Reverse of Form for Instructions)

The report is required by law (30 USC 189, 30 USC 309, 30 USC 350, 30 USC 351, and 30 CFR 221.50) and the terms of the lease. Failure to file the report is the assessment of liquidated damages (30 CFR 221.50) (in shutting down operations, or basis for recommendation to cancel the well the bond (30 CFR 221.53).

Well No.	Sec. & 1/4	TWP	RNG	Well Status	Days Prod.	Barrels of Oil	MCF of Gas	Barrels of Water	Acres
B-1	SENW22	28N	51E	OSI					

MAR02-0636

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (EBLS)	Gas (MCF)	Water (EBLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	XXXXXXXXXXXXXXXXXX
*Surface Pits	0	0	0
*Other (Identify)	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*On hand, End of Month	0	0	0
*API Gravity (BTU Content)	0	0	0

Authorized Signature: S. Wilkings  
Title: PETROLEUM TECHINCHIN

PRODUCTION, BOX 1165, WTTJ, T.

Form No. 6

SUBMIT IN TRIPLICATE

To

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307

ARM 36.22.1217

ARM 36.22.1242

LEASE USE

☐ 12. CHECK IF  
AMENDED

1. PRODUCER TXO PRODUCTION		13. WELL CLASS CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	<input checked="" type="checkbox"/> OIL WELLS
		8. LEASE/UNIT NAME BUCKLES A -1	<input type="checkbox"/> NATURAL GAS WELL
3. CITY WILLISTON		9. COUNTY ROOSEVELT	
4. STATE ND	5. ZIP 58801	10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	14. LEASE STATUS
6. AGENT SIGNATURE <i>J. Willoughby</i>		DATE - 10 MARCH 1984	15. <input type="checkbox"/> NO WELLS PRODUCING 16. <input type="checkbox"/> NO WELLS IN PRODUCTION

## WELL DESCRIPTION

## PRODUCTION INFORMATION

17. WELL NUMBER	18. API NO. (LAST 6 DIGITS)	19. DAYS PRODUCED	20. SEC	21. TWP	22. RGE	DO NOT USE	23. PRODUCING FORMATION	24. BBLS OF OIL / COND	25. MCF GAS @ 14.73 PSIA
# 1	085-21267	0	22	28N	51E		CHARLES "C"	-0-	-0-

26. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	27. DISPOSITION INFORMATION
On Hand Start of Month	0	0	0	BUYER MARTIN
Produced This Month	0	0	0	TRANSPORTER
Sold This Month	0	0	0	BUYER
Spilled This Month	0	0	0	TRANSPORTER
Flared or Ventd	0	0	0	BUYER
Used on Lease	0	0	0	TRANSPORTER
Injected	0	0	0	BUYER
Surface Pits	0	0	0	TRANSPORTER
Other	0	0	0	

NOTE: Separate production reports covering operations in each lease must be filed with the Board of Oil and Gas Conservation following the month covered by the report.

MAR02-0637

MAR-637

Oil or Gas  
Wells

BOARD OF OIL AND GAS COMMISSION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59602

REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

☐ 12 CHECK  
A/E

1. PRODUCER TXO PRODUCTION					13. WELL OR CHECK ON						
2. ADDRESS BOX 1165					7. FIELD NAME east POPLAR					X	OIL WELLS
3. CITY WILLISTON					8. LEASE/UNIT NAME BUCKLES A -1						NATURAL GAS
4. STATE ND					9. COUNTY ROOSEVELT					14. LEASE S	
5. ZIP 58801					10. CHECK IF ADDRESS CHANGE						
6. AGENT SIGNATURE <i>D. W. Loughly</i>					11. MONTH OF FEB. 1964					1. NO WELL	
12. MONTH OF FEB. 1964										2. NO WELL	

WELL DESCRIPTION							PRODUCTION INFORMATION		
15. WELL NUMBER	16. API NO (LAST 6 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND	23. MCF OF GAS @ 14.73
# 1	085-21267		22	28N	51E		CHARLES "C"	-0-	-0-

25. INVENTORY SUMMARY				BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	
On Hand Start of Month				317				
Produced This Month				-0-	0	0	BUYER	MARTIN
Sold This Month				300	0		TRANSPORTER	
Spilled This Month				0			BUYER	
Flared or Vented					0		TRANSPORTER	
Used on Lease				0	0		BUYER	
Used for				0	0	0	TRANSPORTER	
Burned for						0	BUYER	
Other				0	0	0	TRANSPORTER	

NOTE: Separate production reports covering operations in each lease must be filed with the Board of Oil and Gas Commission within the month following the month covered by the report.

MAR02-0638

MAR-638

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. \_\_\_\_\_  
Communication Agreement No. \_\_\_\_\_  
Field Name EAST POLLAR  
Well Name BUCKLES  
Participating Area \_\_\_\_\_  
County ROOSEVELT State MT  
Operator TXO PRODUCTION CORP.  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of FEB. 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 35 U.S.C. 395 d., reg. 101.130 CFR 221.50), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (ii)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & N. of L.	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	*Remarks
A-1	SENW22	28N	51E	OSI	0	-0-	-0-	-0-	
SWD	SENW22	28N	51E	OSI	0	0	0	0	

MAR02-0639

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	317	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	-0-	0	-0-
*Sold	300	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	-0-	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity-BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: D. Wilboughly Address: TXO PRODUCTION, BOX 1165, WILLISTON  
Title: PETROLEUM TECHINCHIAN Page \_\_\_\_\_ of \_\_\_\_\_

MAR-639

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASH. D.C.  
20548

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. \_\_\_\_\_  
Operator Location Agreement No. \_\_\_\_\_  
Field Name EAST POPLAR  
County BUCKLES  
Participating Area NA  
County ROOSEVELT State MT  
Operator TYO PRODUCTION CORP  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of FEB, 1984

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 259, 25 U.S.C. 395 d, regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & Twp. & Rng.	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
B-1	SENW22	28N	51E	OSI	0	0	0	0	0

MAR02-0640

If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Ventled	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity-BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: D. W. Dougherty Address: TYO PRODUCTION, BOX 1165, WILLISTON  
Title: PETROLEUM TECHINCHIN Page \_\_\_\_\_ of \_\_\_\_\_

MAR-640

(Check one)  
Well

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59604

REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

☐ 12 CHECK IF  
ADVANCED REPORT

1. PRODUCER TXO PRODUCTION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	X OIL WELLS
3. CITY WILLISTON		8. LEASE UNIT NAME BUCKLES A -1	NATURAL GAS WELLS
4. STATE ND		9. COUNTY ROOSEVELT	14. LEASE STATUS
5. ZIP 58801		10. CHECK IF ADDRESS CHANGE	1. NO WELLS PRODUCED
6. AGENT SIGNATURE		11. MONTH OF JANUARY 1994	NO WELLS SHUT IN

WELL DESCRIPTION						PRODUCTION INFORMATION				
15 WELL NUMBER	16 API NO. (LAST 5 DIGITS)	17 DAYS PRODUCED	18 SEC	19 TWP	20 RGE	DO NOT USE	21 PRODUCING FORMATION	22 BBLS OF OIL / COND	23 MCF GAS @ 14.73 PSIA	24 BBLS OF WATER
# 1	085-21267		22	28N	51E		CHARLES "C"	-0-	-0-	-0-

MAR02-0641

MAR02-0641

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	BBLS OF MCF
On Hand Start of Month	317			BUYER	VERBON
Produced This Month	-0-	0	-0-	TRANSPORTER	
Sold This Month	-0-	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Storage Pkg			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports of each operator in each lease must be filed with the Montana Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-641

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
BOLTON BUILDING, HELENA, MONTANA

ORDER OF  
WELL

REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.507  
ARM 36.22.1217  
ARM 36.22.1242

1. FIELD NAME	
2. LEASE UNIT NAME	
3. FIELD	4. COUNTY
5. STATE	

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	X OIL WELLS
3. CITY WILLISTON		8. LEASE UNIT NAME BUCKLES A -1	NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>S. Willoughby</i>		10. MONTH OF DECEMBER 1983	1. NO WELLS PRODUCED
			NO WELLS SHUT-IN

WELL DESCRIPTION

PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO. (LAST 2 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
# 1	085-21267	0	22	28N	51E		CHARLES "C"	0	0	0

MAR02-0642

25. INVENTORY SUMMARY	BBLS OIL AND COND	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	BBLS or MCF
On hand Start of Month	308			BUYER	MERTHON
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Board of Oil and Gas Conservation monthly following the month covered by the report.

MAR-642

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

REGULATORY DIVISION

Oil or Gas  
Wells

ARM 24.02.007  
ARM 24.02.0217  
ARM 24.02.0242

REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

EFFECTIVE DATE	
FUEL	
FIELD	
COUNTY	

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165		7. FIELD NAME east POPLAR	X OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES A #1	NATURAL GAS WELLS
4. STATE ND	5. ZIP 58201	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>J. Willoughby</i>		10. CHECK IF ADDRESS CHANGE	1. NO WELLS PRODUCED
11. MONTH OF NOVEMBER 1983		NO WELLS SHUT IN	

WELL DESCRIPTION							PRODUCTION INFORMATION			
15 WELL NUMBER	16 API NO (LAST 6 DIGITS)	17 DAYS PRODUCED	18 SEC	19 TWP	20 RGE.	DO NOT USE	21 PRODUCING FORMATION	22 BBLS OF OIL / COND	23 MCF GAS @ 14.73 PSIA	24 BBLS OF WATER
# 1		13	22	28N	51E		CHARLES "C"	83	0	12,000

MAR02-0643

MAR02-0643

25. INVENTORY SUMMARY	BBLS OIL AND COND	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	BBLS OF MCF
On Hand Start of Month	225			BUYER	
Produced This Month	83	0	12,000	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the nearest office of the Board of Oil and Gas Conservation within 30 days of the month covered by the report.

MAR-643

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F.L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP						13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS BOX 1165						7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON						8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND 5 ZIP 58801						9. COUNTY ROOSEVELT	14. LEASE STATUS
5. AGENT SIGNATURE						10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	<input type="checkbox"/> NO WELLS PRODUCED
11. MONTH OF OCTOBER -95_3						<input type="checkbox"/> NO WELLS SHUT IN	

WELL DESCRIPTION							PRODUCTION INFORMATION						
15. WELL NUMBER	16. API NO (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLs OF OIL / COND	23. MCF GAS @ 14.73 PSIA	24. BBLs OF WATER			
#1		31	22	28N	51E		CHARLES "C"	263	-0-	41000			

MAR02-0644

25. INVENTORY SUMMARY	BBLs OIL AND COND.	MCF OF GAS	BBLs OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	311			BUYER	MARATHON
Produced This Month	263	0	41000	TRANSPORTER	349BBLs
Sold This Month	349	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0		BUYER	
Surface Pits				TRANSPORTER	
Other	0	0			

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-644

(SUBMIT IN TRIPLICATE)  
10Oil or Gas  
WellsBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

BOARD USE ONLY

F L UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP.						13. WELL CLASSIFICATION CHECK ONE			
2. ADDRESS PO BOX 1165						7. FIELD NAME EAST POPLAR			
3. CITY WILLISTON						8. LEASE/UNIT NAME BUICKLES "A" #1			
4. STATE ND						9. COUNTY ROSEVELT			
5. ZIP 58801						10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE			
6. AGENT SIGNATURE						11. MONTH OF SEPTEMBER 1983			
14. LEASE STATUS						1. NO WELLS PRODUCED			
						NO WELLS SHUT IN			

WELL DESCRIPTION						PRODUCTION INFORMATION					
15. WELL NUMBER	16. API NO (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER	
#1		30	22	28N	51E		CHARLES "C"	304	-0-	40,000	

MAR02-0645

25. INVENTORY SUMMARY		BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	25. DISPOSITION INFORMATION		Bbls or MCF
On Hand Start of Month		7			BUYER MARATHON		304BBL
Produced This Month		304	0	40,000	TRANSPORTER		
Sold This Month		0	0		BUYER		
Spilled This Month		0			TRANSPORTER		
Flared or Vented			0		BUYER		
Used on Lease		0	0		TRANSPORTER		
Injected		0	0	0	BUYER		
Surface Pits				0	TRANSPORTER		
Other		0	0	0	TRANSPORTER		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 30th day of the month following the month covered by the report.

MAR-645

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANAOil or Gas  
Wells

P.O. BOX 217 HELENA, MT 59624

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE

☐ 12. CHECK I  
AMENDED

1. PRODUCER TXO PRODUCTION CORP.		13. WELL CLASS CHECK ONE	
2. ADDRESS PO BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>Shirley Willoughby</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	11. MONTH OF AUGUST 1983
		1. NO. WELLS PRODUCING	2. NO. WELLS SHUT-IN

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO (LAST 2 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA
#1		23	22	28N	51E	CHARLES "C"	327	0

MAR02-0646

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION
On Hand Start of Month	68			BUYER MAFATHON
Produced This Month	266	0	21400	TRANSPORTER
Sold This Month	327	0		BUYER
Spilled This Month	0			TRANSPORTER
Flared or Vented		0		BUYER
Used on Lease	0	0		TRANSPORTER
Injected	0	0	0	BUYER
Surface Pits			0	TRANSPORTER
Other	0	0	0	

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation within the month following the month covered by the report.

MAR-646

(SUBMIT IN TRIPPLICATE)  
TOBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANAOil or Gas  
Wells

P.O. BOX 217 HELENA, MT 59624

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F.L. UNIT

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CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS PO BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" 1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>T. Craft</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	11. MONTH OF JULY 1983
		<input type="checkbox"/> NO. WELLS PRODUCED	<input type="checkbox"/> NO. WELLS SHUT IN

WELL DESCRIPTION						PRODUCTION INFORMATION				
15. WELL NUMBER	16. API NO (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC.	19. TWP	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		21	22	28N	51E		CHARLES "C"	498	-0-	26440

MAR02-0647

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	25. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	481			BUYER	911
Produced This Month	498	0	26440	TRANSPORTER	BBL
Sold This Month	911	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other:	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Montana Office of the Board of Oil and Gas Conservation following the month covered by the report.

MAR-647

(SUB IN TRIPlicate)  
TOBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP.		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS PO BOX 1165		7. FIELD NAME EAST POPLAR	<input type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATEND 5. ZIP 58801		9. COUNTY ROOSEVELT	14. LEASE STATUS
10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE			
6. AGENT SIGNATURE <i>T. Cuff</i>		11. MONTH OF JUNE 1993	<input type="checkbox"/> NO WELLS PRODUCED
			<input type="checkbox"/> NO WELLS SHUT IN

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		0	22	28N	51E		CHARLES "C"	0	0	0

MAR02-0648

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	481				
Produced This Month	0	0	0	BUYER	
Sold This Month	0	0		TRANSPORTER	
Spilled This Month	0			BUYER	
Flared or Vented		0		TRANSPORTER	
Used on Lease	0	0		BUYER	
Injected	0	0	0	TRANSPORTER	
Surface Pits			0	BUYER	
Other	0	0	0	TRANSPORTER	

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-648

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP.		7. FIELD NAME EAST POPLAR		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		8. LEASE/UNIT NAME BUCKLES "A" #1		OIL WELLS	
3. CITY WILLISTON		9. COUNTY ROOSEVELT		NATURAL GAS WELLS	
4. STATE ND	5. ZIP 58801	10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE		14. LEASE STATUS	
6. AGENT SIGNATURE <i>T. Craft</i>		11. MONTH OF MAY 198 3		NO. WELLS PRODUCED	
				NO. WELLS SHUT IN	

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		0	22	28N	51E		CHARLES "C"	0		

MAR02-0649

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	481			BUYER	
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-649

(SUBMIT IN TRIPLICATE)  
TOBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPERATION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		7. FIELD NAME EAST POPLAR	<input type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>T. Craft</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	11. MONTH OF APRIL 1983
		12. <input type="checkbox"/> NO. WELLS PRODUCED	13. <input type="checkbox"/> NO. WELLS SHUT IN

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. APINO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC.	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		18	22	28N	51E		CHARLES "C"	351		

MAR02-0650

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	274	0	0	BUYER	MARATHON
Produced This Month	351	0	0	TRANSPORTER	144
Sold This Month	144	0	0	BUYER	
Spilled This Month	0	0	0	TRANSPORTER	
Flared or Vented	0	0	0	BUYER	
Produced on Lease	0	0	0	TRANSPORTER	
Produced	0	0	0	BUYER	
Surface Pits	0	0	0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-650

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
WellsARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPORATION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>T. C. C.</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	<input type="checkbox"/> NO. WELLS PRODUCED
		11. MONTH OF MARCH 1983	<input type="checkbox"/> NO. WELLS SHUT IN

WELL DESCRIPTION						PRODUCTION INFORMATION					
15. WELL NUMBER	16. API NO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER	
#1		0	22	28N	51E		CHARLES "C"	0	0	0	

MAR02-0651

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	274			BUYER	
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-651

(SUBMIT IN TRIPLICATE)  
TOOil or Gas  
WellsBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP						13. WELL CLASSIFICATION CHECK ONE					
2. ADDRESS P.O. BOX 1165						7. FIELD NAME FAST POPLAR					
3. CITY WILLISTON						8. LEASE/UNIT NAME BUCKLES "A" #1					
4. STATE ND						9. COUNTY ROOSEVELT					
5. ZIP 58801						10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE					
6. AGENT SIGNATURE <i>T. Craft</i>						11. MONTH OF FEBRUARY 1983					
13. WELL CLASSIFICATION CHECK ONE						14. LEASE STATUS					
<input checked="" type="checkbox"/> OIL WELLS						<input type="checkbox"/> NATURAL GAS WELLS					
NO. WELLS PRODUCED						NO. WELLS SHUT IN					
WELL DESCRIPTION						PRODUCTION INFORMATION					
15. WELL NUMBER	16. API NO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC.	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER	
#1		0	22	28N	51E		CHARLES "C"	0	0	0	

MAR02-0652

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	274			BUYER	
Produced This Month	0	0	0	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Ventied		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

MAR-652

(SUBMIT IN TRIPLICATE)  
TOBOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP.		7. FIELD NAME EAST POPLAR		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS PO BOX 1165		8. LEASE/UNIT NAME BUCKLES "A" #1		<input checked="" type="checkbox"/> OIL WELLS	
3. CITY WILLISTON		9. COUNTY ROOSEVELT		<input type="checkbox"/> NATURAL GAS WELLS	
4. STATE ND		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE		14. LEASE STATUS	
5. ZIP 58801		11. MONTH OF January 1983		<input type="checkbox"/> NO. WELLS PRODUCED	
6. AGENT SIGNATURE <i>T. C. F.</i>				<input type="checkbox"/> NO. WELLS SHUT IN	

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		0	22	28N	51E		CHARLES "C"	0	0	0

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	274				
Produced This Month	0	0	0	BUYER	
Sold This Month	0	0		TRANSPORTER	
Spilled This Month	0			BUYER	
Flared or Vented		0		TRANSPORTER	
Used on Lease	0	0		BUYER	
Injected	0	0	0	TRANSPORTER	
Surface Pits			0	BUYER	
Other	0	0	0	TRANSPORTER	

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation following the month covered by the report.

MAR02-0653

MAR-653

MAR02-0654

MAR-654

MPA-154

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 23-005005  
Communitization Agreement No. \_\_\_\_\_  
Field Name East Poplar Field  
Unit Name NA  
Participating Area NA  
County Roosevelt State Montana  
Operator TXO Production Corp.  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
A-1	SE NW 22	28N	51E	POW		0		0	
SWD	SE NW 22	28N	51E	WDW				0	

MAR02-0655

If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	526	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Produced	0		
*Sold	0		xxxxxxxxxxxxxxxxxx
*Spilled or Lost	0	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Flared or Vented	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
*Used on Lease	0		xxxxxxxxxxxxxxxxxx
*Injected	0		
*Surface Pits	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	
*Other (Identify)	0		
*On hand, End of Month	526	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*API Gravity/BTU Content			xxxxxxxxxxxxxxxxxx

Authorized Signature: T. C. Cress Address: P.O. BOX 1165 Williston, ND 58801  
Title: Production Department Page 1 of 1

MAR-655

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. \_\_\_\_\_  
Communitization Agreement No. \_\_\_\_\_  
Field Name Poplar Field  
Unit Name N/A  
Participating Area N/A  
County Roosevelt State Montana  
Operator TXO Production Corp.  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<i>Buckles</i> A-1	SE1/4 22	28N	51E	POW		69.0			
SND	SE1/4 22	28N	51E	WIW				400	
<i>↓ salt water disp.</i>									

MAR02-0656

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	626.15	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	69.0		
*Sold	0		XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			400
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month	695.15	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: T. Carter  
Title: Senior Production Foreman

Address: 2705 Montana Avenue Suite 300  
Billings, MT 59101  
Page 1 of 1

MAR-656

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 25-005066

Communitization Agreement No.

Field Name East Poplar Field

Unit Name N/A

Participating Area N/A

County Roosevelt State Montana

Operator TXO Production Corp.

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 1982

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
A-1	SE NW 22	28N	51E	POW	28	0	----	0	
SND	SE NW 22	28N	51E	WIW	28			0	

MAR02-0657

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	626.15	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Produced	0		
*Sold	0		xxxxxxxxxxxxxxxxxx
*Spilled or Lost	---	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Flared or Vented	xxxxxxxxxxxxxxxxxx		xxxxxxxxxxxxxxxxxx
*Used on Lease	---		xxxxxxxxxxxxxxxxxx
*Injected	0		0
*Surface Pits	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	
*Other (Identify)			
*On hand, End of Month	626.15	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx

\*API Gravity/BTU Content  
Authorized Signature: *A. J. Kay* Drilling Engineer Address: 2705 Montana Avenue Suite 300

Title: Drilling Engineer Page 1 of 1 Billings,

MAR-657

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. \_\_\_\_\_  
Communitization Agreement No. \_\_\_\_\_  
Field Name East Moplar Field  
Unit Name N/A  
Participating Area N/A  
County Roosevelt State Montana  
Operator TXO Production Corp.  
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
A-1	SE NW 22	28N	51E	POW	31	424.41		33,579	
SWD	SE NW 22	28N	51E	WIW	31				

MAR02-0658

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	<u>201.74</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Produced	<u>424.41</u>		<u>33,579</u>
*Sold	<u>0</u>		<u>XXXXXXXXXXXXXXXXXX</u>
*Spilled or Lost	<u>0</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Flared or Vented	<u>XXXXXXXXXXXXXXXXXX</u>		<u>XXXXXXXXXXXXXXXXXX</u>
*Used on Lease	<u>---</u>		<u>XXXXXXXXXXXXXXXXXX</u>
*Injected			<u>33,579</u>
*Surface Pits	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	
*Other (Identify) _____			
*On hand, End of Month	<u>626.15</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*API Gravity/BTU Content			<u>XXXXXXXXXXXXXXXXXX</u>

Authorized Signature: H.J. Kagie Address: 2705 Montana Ave. Suite 300 Billin  
Title: K. J. Kagie Drilling Engineer Page 1 of 1 MT 591

MAR-658

MAR02-0659

MAR-659

MPA-154

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPORATION		7. FIELD NAME EAST POPLAR		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		8. LEASE/UNIT NAME BUCKLES "A" #1		<input checked="" type="checkbox"/> OIL WELLS	
3. CITY WILLISTON		9. COUNTY ROOSEVELT		<input type="checkbox"/> NATURAL GAS WELLS	
4. STATE ND		5. ZIP 58801		14. LEASE STATUS	
6. AGENT SIGNATURE <i>T. Craft</i>		10. CHECK IF ADDRESS CHANGE		1. NO. WELLS PRODUCED	
		11. MONTH OF DECEMBER		198 2	
				NO. WELLS SHUT IN	

WELL DESCRIPTION						PRODUCTION INFORMATION				
15. WELL NUMBER	16. APINO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC.	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		21	22	28N	51E		CHARLES "C"	280	0	29400
MAR02-0660										

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	139			BUYER Marathon Petroleum Company	
Produced This Month	279	0	29400	TRANSPORTER Western Transportation	144
Sold This Month	144	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	29400	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation month following the month covered by the report.

MAR-660

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

BOARD USE ONLY

F L UNIT

PROD

CNTY

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPERATION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND		9. COUNTY ROOSEVELT	14. LEASE STATUS
5. ZIP 58801		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	<input type="checkbox"/> NO WELLS PRODUCED
6. AGENT SIGNATURE <i>T. C. [Signature]</i>		11. MONTH OF NOVEMBER 1982	<input type="checkbox"/> NO WELLS SHUT IN

WELL DESCRIPTION							PRODUCTION INFORMATION			
15. WELL NUMBER	16. APINO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP.	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		1	22	28N	51E		CHARLES "C"	18	0	1000

MAR02-0661

MAR02-0661

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	121			BUYER	
Produced This Month	18	0	1000	TRANSPORTER	
Sold This Month	0	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Ventled		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	1000	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation following the month covered by the report.

MAR-661

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

## BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORP.		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" 1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>T. C. C.</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	<input type="checkbox"/> NO WELLS PRODUCED
11. MONTH OF OCTOBER		198	<input type="checkbox"/> NO. WELLS SHUT IN

## WELL DESCRIPTION

## PRODUCTION INFORMATION

15. WELL NUMBER	16. API NO. (LAST 5 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP.	20. RGE	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		18	22	28N	51E		CHARLES "C"	204	0	25200

MAR02-0662

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	26. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	257			BUYER MARATHON OIL	330 BBL
Produced This Month	204	0	25200	TRANSPORTER	
Sold This Month	330	0		BUYER	
Spilled This Month	200			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	25200	BUYER	
Surface Pits			0	TRANSPORTER	
Other (rec. f/ spl)	190	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation following the month covered by the report.

MAR-662

Form No. 6

(SUBMIT IN TRIPPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPORATION		13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165		7. FIELD NAME EAST POPLAR	<input checked="" type="checkbox"/> OIL WELLS
3. CITY WILLISTON		8. LEASE/UNIT NAME BUCKLES "A" #1	<input type="checkbox"/> NATURAL GAS WELLS
4. STATE ND	5. ZIP 58801	9. COUNTY ROOSEVELT	14. LEASE STATUS
6. AGENT SIGNATURE <i>T. Craft</i>		10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	1. NO. WELLS PRODUCED
11. MONTH OF SEPTEMBER 1982			NO. WELLS SHUT IN

WELL DESCRIPTION							PRODUCTION INFORMATION			
15. WELL NUMBER	16. API NO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC.	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLS OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLS OF WATER
#1		9	22	28N	51E		CHARLES "C"	346	--	11200

MAR02-0663

MAR02-0663

25. INVENTORY SUMMARY	BBLS OIL AND COND.	MCF OF GAS	BBLS OF WATER	25. DISPOSITION INFORMATION	Bbls or MCF
On Hand Start of Month	526			BUYER - MARATHON	615
Produced This Month	346	0	11200	TRANSPORTER	
Sold This Month	615	0		BUYER	
Spilled This Month	0			TRANSPORTER	
Flared or Vented		0		BUYER	
Used on Lease	0	0		TRANSPORTER	
Injected	0	0	0	BUYER	
Surface Pits			0	TRANSPORTER	
Other	0	0	0		

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conservation month following the month covered by the report.

MAR-663

Form No. 6

(SUBMIT IN TRIPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

P.O. BOX 217 HELENA, MT 59624

Oil or Gas  
Wells

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

BOARD USE ONLY

F. L. UNIT

PROD

CNTY

ARM 36.22.307  
ARM 36.22.1217  
ARM 36.22.1242☐ 12. CHECK IF  
AMENDED REPORT

1. PRODUCER TXO PRODUCTION CORPERATION						13. WELL CLASSIFICATION CHECK ONE	
2. ADDRESS P.O. BOX 1165						7. FIELD NAME EAST POPLAR	
3. CITY WILLISTON						8. LEASE/UNIT NAME BUCKLES "A" #1	
4. STATE ND 5. ZIP 58801						9. COUNTY ROOSEVELT	
6. AGENT SIGNATURE <i>T. Craft</i>						10. <input type="checkbox"/> CHECK IF ADDRESS CHANGE	
11. MONTH OF AUGUST 1982						14. LEASE STATUS	
						1. NO. WELLS PRODUCED	
						NO. WELLS SHUT IN	

WELL DESCRIPTION							PRODUCTION INFORMATION			
15. WELL NUMBER	16. APINO. (LAST 8 DIGITS)	17. DAYS PRODUCED	18. SEC	19. TWP.	20. RGE.	DO NOT USE	21. PRODUCING FORMATION	22. BBLs OF OIL / COND.	23. MCF GAS @ 14.73 PSIA	24. BBLs OF WATER
#1	--	0	22	28N	51E		CHARLES "C"	0	0	0

25. INVENTORY SUMMARY		BBLs OIL AND COND.	MCF OF GAS	BBLs OF WATER	26. DISPOSITION INFORMATION		Bbls or MCF
On Hand Start of Month		526			BUYER		
Produced This Month		0	0	0	TRANSPORTER		
Sold This Month		0	0		BUYER		
Spilled This Month		0			TRANSPORTER		
Flared or Vented			0		BUYER		
Used on Lease		0	0		TRANSPORTER		
Injected		0	0	0	BUYER		
Surface Pits				0	TRANSPORTER		
Other		0	0	0			

MAR02-0664

NOTE: Separate production reports covering operations in each lease must be filed with the Helena office of the Board of Oil and Gas Conserva  
month following the month covered by the report

MAR-664

Oil and Gas  
WellsTO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59624

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field EAST POPLAR ROOSEVELT MONTH OF JULY  
 (Pool) (County)

PRODUCER: TXO PRODUCTION CORP P.O. BOX 1165  
 (P. O. Address)

BY: T. C. [Signature] PROD. DEPT. WILLISTON, ND 58801  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state)	GAS PRODUCED (MCF @ 14.73 PSIA)	NUMBER OF WELLS				RE
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A" #1	22	28N	51E	0	0	0	1					

MAR02-0665

MAR02-0665

Barrels of oil in storage on lease first day of month..... <u>526</u>		Disposition of Oil and Gas Transported from Leases (If Insufficient Space, Use Back of Sheet)	
Total barrels of oil produced during month and in storage ..... <u>0</u>		Total Bbls. Shipped to (Place) _____ Name of _____	
Total barrels of oil shipped from leases and used or lost during month ..... <u>0</u>		Used for fuel or lost: _____	
Barrels remaining in stor- age on leases last day of month ..... <u>526</u>		M. C. F. Gas _____	
		Sold to: _____	
		Flared or Vented _____	
		Used for Fuel _____	

NOTE: Separate production reports covering operations in each field must be filed with the Helena office of the Board of Oil and Gas Conservation by the 20th day of each calendar month following the month covered by the report.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-665

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field EAST POPLAR ROOSEVELT MONTH OF JUNE 195  
(Pool) (County)

PRODUCER: TXO PRODUCTION CORP P.O. BOX 1165  
(P. O. Address)

BY: T. C. [Signature] PROD. DEPT. WILLISTON, ND 58801  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMA
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	0	0	1					
TOTALS					0	0	1					

MAR02-0666

MAR02-0666

Barrels of oil in storage on  
lease first day of month..... 384.54

Total barrels of oil produced  
during month and in  
storage ..... 0

Total barrels of oil shipped  
from leases and used or lost  
during month ..... 0

Barrels remaining in stor-  
age on leases last day of  
month ..... 384.54

### Disposition of Oil and Gas Transported from Leases (If Insufficient Space, Use Back of Sheet)

Total Bbls. Shipped to (Place) Name of Buyer

0 MARATHON OIL

Used for fuel or lost

M. C. F. Gas

Sold to:

Flared or Vented

Used for Fuel

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-666

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field EAST POPLAR ROOSEVELT MONTH OF MAY, 1992  
 (Pool) (County)  
 PRODUCER: TXO PRODUCTION CORP P.O. BOX 1165  
 (P. O. Address)  
 BY: T. Craft PROD. DEPT. WILLISTON, ND 58801  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	0	0	1					
TOTALS					0	0						

MAR02-0667

MAR02-0667

Barrels of oil in storage on lease first day of month..... 526

Total barrels of oil produced during month and in storage ..... 0

Total barrels of oil shipped from leases and used or lost during month ..... 0

Barrels remaining in storage on leases last day of month ..... 526

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls.	Shipped to (Place)	Name of Buyer
_____	_____	_____
_____	_____	_____
_____	Used for fuel or lost	_____
M. C. F. Gas		
_____	Sold to:	_____
_____	Flared or Vented	_____
_____	Used for Fuel	_____

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

• Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-667

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field EAST POPLAR ROOSEVELT MONTH OF APRIL, 1987  
(Pool) (County)

PRODUCER: TXO PRODUCTION CORP 2705 MONTANA AVE, SUITE #300  
(P.O. Address)

BY: T. Craft BILLINGS, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state;	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMAI
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	128	36,000	1					
TOTALS					128	36,000						

MAR02-0668

MAR02-0668

Barrels of oil in storage on lease first day of month.....	695	Disposition of Oil and Gas Transported from Leases (If Insufficient Space, Use Back of Sheet)	
Total barrels of oil produced during month and in storage .....	823	Total Bbls.	Shipped to (Place) Name of Bu:
Total barrels of oil shipped from leases and used or lost during month .....	297		
Barrels remaining in stor- age on leases last day of month .....	526	Used for fuel or lost	
		M. C. F. Gas	
		Sold to:	
		Flared or Vented	
		Used for Fuel	

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-668

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field Landslide Butte Glacier MONTH OF April 19 82  
 (Pool) (County)  
 PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
 (P. O. Address)  
 BY: T. Craft Prod. Dept. Billings, MT 59101  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	128	36,000	-	1				
VOID												

### TOTALS

Barrels of oil in storage on lease first day of month.....	695
Total barrels of oil produced during month and in storage .....	823
Total barrels of oil shipped from leases and used or lost during month .....	297
Barrels remaining in storage on leases last day of month .....	526

### Disposition of Oil and Gas Transported from Leases (If Insufficient Space, Use Back of Sheet)

Total Bbls.	Shipped to (Place)	Name of Buyer
_____	_____	_____
_____	_____	_____
_____	Used for fuel or lost	_____
M. C. F. Gas		
_____	Sold to:	MAR02-0669
_____	Flared or Vented	_____
_____	Used for Fuel	_____

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

## MAR-669

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field EAST POPLAR (Pool) ROOSEVELT (County) MONTH OF MARCH 198  
PRODUCER: TXO PRODUCTION CORP. 2705 MONTANA AVE. SUITE #300  
(P. O. Address)  
BY: T. Craft (Signature of Producer or Agent) BILLINGS, MT 59101 (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMA
Name of Lease	•	Sec.	Twp.	Rgc.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	69.0	400						
TOTALS					69.0	400						

Barrels of oil in storage on  
lease first day of month..... 626.15  
Total barrels of oil produced  
during month and in  
storage ..... 695.15  
Total barrels of oil shipped  
from leases and used or lost  
during month ..... -----  
Barrels remaining in stor-  
age on leases last day of  
month ..... 605.15

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls.	Shipped to (Place)	Name of Buy
_____	_____	_____
_____	_____	_____
_____	Used for fuel or lost	_____
M. C. F. Gas		
_____	Sold to:	<u>MAR02-0670</u>
_____	Flared or Vented	_____
_____	Used for Fuel	_____

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-670



TEXAS OIL & GAS CORP.

Inter-Office Memorandum

Date: June 17, 1982

To: BOARD OF OIL & GAS CONSERVATION

From: TOM E. CROFT

P.O. BOX 217

Re: REPORT OF PRODUCTION

HELENA, MT 58601

On the March, 1982 and April, 1982 Production Reports, there was a error make on the field and county. It should be East Poplar Field in Roosevelt County. Enclosed are the corrected reports for these two months.

MAR02-0672

MAR-672

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

# REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt MONTH OF February, 19 82  
(County)

PRODUCER: T&O Production Corp.

2705 Montana Ave. Suite 300

(P. O. Address)

BY: H. I. Kargis Drlg. Engineer  
(Signature of Producer or Agent) (Title)

Billings, MT 59101

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	0							
TOTALS					0							

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. Shipped to (Place) Name of Buyer

Used for fuel or lost

M. C. F. Gas

Sold to:

Flared or Vented

Used for Fuel

MAR02-0673

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

Use Form G-A for More Space.

MAR-673

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

# REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF January, 19 82  
PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
(P. O. Address)  
BY: A. J. Kaele Drlg Engineer Billings, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	424.41	33,579	1					
TOTALS					424.41	33,579						

Barrels of oil in storage on  
lease first day of month..... 201.74  
Total barrels of oil produced  
during month and in  
storage ..... 626.15  
Total barrels of oil shipped  
from leases and used or lost  
during month ..... 0  
Barrels remaining in stor-  
age on leases last day of  
month ..... 626.15

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. Shipped to (Place) Name of Buyer  
0 \_\_\_\_\_ Marathon  
Used for fuel or lost  
M. C. F. Gas  
Sold to: \_\_\_\_\_  
Flared or Vented \_\_\_\_\_  
Used for Fuel \_\_\_\_\_

MAR02-0674

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-674

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar Roosevelt MONTH OF December, 19 81  
 (Pool) (County)  
 PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
 (P. O. Address)  
 BY: Lee A. Heath Drlg & Prod. Manager Billings, MT 59101  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER  (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rpt.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	383.85	40,060		1				

TOTALS 383.85 40,060

Barrels of oil in storage on  
lease first day of month..... 309.99

Total barrels of oil produced  
during month and in  
storage ..... 693.84

Total barrels of oil shipped  
from leases and used or lost  
during month ..... 492.10

Barrels remaining in stor-  
age on leases last day of  
month ..... 201.74

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 492.10 Shipped to (Place) \_\_\_\_\_ Name of Buyer Marathon

\_\_\_\_\_ Used for fuel or lost \_\_\_\_\_

M. C. F. Gas \_\_\_\_\_

\_\_\_\_\_ Sold to: \_\_\_\_\_

\_\_\_\_\_ Flared or Vented \_\_\_\_\_

\_\_\_\_\_ Used for Fuel \_\_\_\_\_

MAR02-0675

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

MAR-675

(Use Form 6-A for More Space)

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF November (REVISED) 19 81

PRODUCER: TXO Production Corp. 2705 Montana Ave. Suite 300  
(P. O. Address)

BY: L. A. Heath Drlg. & Prod. Manager Billings, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state;	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	393.77	34,814		1				
TOTALS					393.77	34,814						

Barrels of oil in storage on lease first day of month.....	185.19
Total barrels of oil produced during month and in storage .....	578.96
Total barrels of oil shipped from leases and used or lost during month .....	268.97
Barrels remaining in storage on leases last day of month .....	309.99

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 268.97	Shipped to (Place)	Name of Buyer Marathon Oil
	Used for fuel or lost	
M. C. F. Gas		
	Sold to:	
	Flared or Vented	
	Used for Fuel	

MAR02-0676

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-676

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF November, 19 81

PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
(P. O. Address)

BY: Les A. Heath Project Engineer Billings, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	358.89	34,814	1					
TOTALS					358.89	34,814	1					

Barrels of oil in storage on lease first day of month..... 185.19

Total barrels of oil produced during month and in storage ..... 544.08 *577.96*

Total barrels of oil shipped from leases and used or lost during month ..... 268.97

Barrels remaining in storage on leases last day of month ..... 275.11 *307.91*

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 268.97 Shipped to (Place) \_\_\_\_\_ Name of Buyer Marathon Oil

Used for fuel or lost \_\_\_\_\_

M. C. F. Gas \_\_\_\_\_

Sold to: \_\_\_\_\_

Flared or Vented \_\_\_\_\_

Used for Fuel \_\_\_\_\_

MAR02-0677

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

• Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-677

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

REVISED

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF October 19 81  
 PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
 (P. O. Address)  
 BY: Leo A. Heath Project Engineer Billings, MT 59101  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	500.06	42,986		1				
TOTALS					500.06	42,986						

Barrels of oil in storage on lease first day of month.....	169.30
Total barrels of oil produced during month and in storage .....	669.36
Total barrels of oil shipped from leases and used or lost during month .....	484.17
Barrels remaining in storage on leases last day of month .....	185.19

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 484.17	Shipped to (Place)	Name of Buyer Marathon Oil
	Used for fuel or lost	
M. C. F. Gas		
	Sold to:	
	Flared or Vented	MAR02-0678
	Used for Fuel	

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-678

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF October 1981

PRODUCER: TXO Production Corp. 2705 Montana Avenue Suite 300  
(P. O. Address)

BY: *P. C. Reath* Project Engineer Billings, Montana 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	506-00 500.06	42,986		1				
TOTALS					506-00	42,986		1				

VOID

Barrels of oil in storage on lease first day of month.....	169.30
Total barrels of oil produced during month and in storage .....	675.30 <i>675.36</i>
Total barrels of oil shipped from leases and used or lost during month .....	321.41 <i>454.17</i>
Barrels remaining in storage on leases last day of month .....	353.89 <i>455.19</i>

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet) -

Total Bbls. <u>321.41</u>	Shipped to (Place) _____	Name of Buyer <u>Marathon Oil</u>
_____	Used for fuel or lost _____	
M. C. F. Gas _____	Sold to: _____	
_____	Flared or Vented _____	
_____	Used for Fuel _____	

MAR02-0679

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-679

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

# REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF September 19 81

PRODUCER: Texas Oil & Gas Corp. - TXO Production 2705 Montana Avenue, Suite 300  
(P. O. Address)

BY: Leo A. Hunt Project Engineer Billings, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	510.48			1				
TOTALS					510.48			1				

Barrels of oil in storage on lease first day of month.....	120.54
Total barrels of oil produced during month and in storage .....	631.02
Total barrels of oil shipped from leases and used or lost during month .....	461.72
Barrels remaining in storage on leases last day of month .....	169.30

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls.	Shipped to (Place)	Name of Buyer
461.72		Marathon
	Used for fuel or lost	
M. C. F. Gas		
	Sold to:	
	Flared or Vented	
	Used for Fuel	

MAR02-0680

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-680

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar Roosevelt MONTH OF August, 19 81  
 (Pool) (County)  
 PRODUCER: TXO Production Corp. 2705 Montana Avenue, Suite 300  
 (P. O. Address)  
 BY: L. D. Heath Project Engineer Billings, MT 59101  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
BUCKLES "A"	#1	22	28N	51E	610.44	32,840	1					
TOTALS					610.44	32,840	1					

Barrels of oil in storage on lease first day of month..... 182.00

Total barrels of oil produced during month and in storage ..... 792.44

Total barrels of oil shipped from leases and used or lost during month ..... 671.9

Barrels remaining in storage on leases last day of month ..... 120.54

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 671.9 Shipped to (Place) \_\_\_\_\_ Name of Buyer Marathon Oil

Used for fuel or lost \_\_\_\_\_

M. C. F. Gas \_\_\_\_\_

Sold to: \_\_\_\_\_

Flared or Vented \_\_\_\_\_

Used for Fuel \_\_\_\_\_

MAR02-0681

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

• Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-681

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF July, 1981  
 PRODUCER TEXAS OIL & GAS CORP. 2705 Montana Ave., Suite 300  
 BY: Leo A. Heath Project Engineer Billings, MT 59101 (P. O. Address)  
 (Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER  (If none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
Buckles "A" #1		22	28N	51E	908	30,974	1					
TOTALS					908	30,974	1					

Barrels of oil in storage on  
lease first day of month..... 323

Total barrels of oil produced  
during month and in  
storage ..... 1231

Total barrels of oil shipped  
from leases and used or lost  
during month ..... 1049

Barrels remaining in stor-  
age on leases last day of  
month ..... 182

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 1049 Shipped to (Place) \_\_\_\_\_ Name of Buyer Marathon Oil

Used for fuel or lost \_\_\_\_\_

M. C. F. Gas \_\_\_\_\_

Sold to: \_\_\_\_\_

Flared or Vented \_\_\_\_\_

Used for Fuel \_\_\_\_\_

MAR02-0682

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

• Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-682

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

**REPORT OF PRODUCTION**  
(TO BE MADE BY PRODUCER)

Field East Poplar Roosevelt MONTH OF June 19 81  
(Pool) (County)  
PRODUCER: TEXAS OIL & GAS CORP. 2705 Montana Ave., Suite 300  
(P. O. Address)  
BY: Leo B. Heath Billings, MT 59101  
(Signature of Producer or Agent) (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER  (if none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
Buckles "A"	#1	22.	28N	51E	449			1				
TOTALS					449			1				

Barrels of oil in storage on  
lease first day of month..... 372

Total barrels of oil produced  
during month and in  
storage ..... 821

Total barrels of oil shipped  
from leases and used or lost  
during month ..... 498

Barrels remaining in stor-  
age on leases last day of  
month ..... 323

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls. 498 Shipped to (Place) Marathon Oil, Findlay, Ohio Name of Buyer

Used for fuel or lost

M. C. F. Gas

Sold to: \_\_\_\_\_

Flared or Vented \_\_\_\_\_

Used for Fuel \_\_\_\_\_

MAR02-0683

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

MAR-683

TO  
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
P.O. BOX 217 HELENA, MT 59601

OIL AND GAS  
WELLS

## REPORT OF PRODUCTION

(TO BE MADE BY PRODUCER)

Field East Poplar (Pool) Roosevelt (County) MONTH OF June 1981  
 PRODUCER: TEXAS OIL & GAS CORP. 2705 Montana Ave., Ste. 300  
 (P. O. Address)  
 BY: Per A. Heath (Signature of Producer or Agent) Prod. Eng. Billings, MT 59101  
 (Title)

LEASE DESCRIPTION					BARRELS OF OIL PRODUCED	BARRELS OF WATER (if none, so state)	CUBIC FEET OF GAS PRODUCED (In Thousands)	NUMBER OF WELLS				REMARKS
Name of Lease	•	Sec.	Twp.	Rge.				Operated		Shut In		
								Oil	Gas	Oil	Gas	
Buckles "A" #1		22	28N	51E	449			1				
VOID												
1230												

TOTALS

449

1

Barrels of oil in storage on lease first day of month.....

300

Total barrels of oil produced during month and in storage .....

749

Total barrels of oil shipped from leases and used or lost during month .....

498

Barrels remaining in storage on leases last day of month .....

251

Disposition of Oil and Gas Transported from Leases  
(If Insufficient Space, Use Back of Sheet)

Total Bbls.

498

Shipped to (Place)

Marathon Oil, Findlay, Ohio

Name of Buyer

Used for fuel or lost

M. C. F. Gas

Sold to:

Flared or Vented

Used for Fuel

MAR02-0684

NOTE:—Mail three (3) copies to the office of the Board of Oil and Gas Conservation of the State of Montana, P.O. Box 217, Helena, Montana 59601, on or before the 20th day of each calendar month following the month covered by the report. Separate report must be filed to cover operations in each field.

\* Use this column for Well No. when reporting individual well production.

(Use Form 6-A for More Space)

# MAR-684

BUCKLES A 1: (E. Poplar)  
MT \*AGREEMENTS\*  
Roos

MAR02-0685

MAR-685

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Contract No.

5. ~~XXXX DESIGNATION AND SERIAL NO.~~

14-20-0256-5066

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Austin R. Buckles

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Buckles

9. WELL NO.

"A" #1

10. FIELD AND POOL, OR WILDCAT

N/A

11. SEC. T. R. M. OR BLK.  
AND SURVEY OR AREA

Section 22-T28N-R51E

12. COUNTY OR PARISH 13. STATE

Roosevelt

Montana

UNED

10

FOOLS

E. DATE WORK WILL START

February 10, 1981

T OF CEMENT

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

B. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Texas Oil &amp; Gas Corp.

3. ADDRESS OF OPERATOR

U. S. Geological Survey

Suite 300, 2705 Montana Avenue, Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1980' FNL, 1980' FWL

At proposed prod. zone

1980' FNL, 1980' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approximately 6 miles NNE of Poplar, Montana

JAN 21 1981

Billings, Montana

1. The need for a pit liner will be determined by an on-site inspection after the pit is constructed.
2. An 18" culvert will be installed where the East access road crosses the drainageway, in case the well is a producer.
3. Topsoil will be stockpiled separately to be replaced after drilling is completed. Otherwise, I concur with the proposed plan as discussed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ron Becker

TITLE Project Manager

DATE

1-16-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE ACTING DISTRICT SUPERVISOR

DATE

2/25/81

CONDITIONS OF APPROVAL, IF ANY: SEE ATTACHED

ANY FLARING OR VENTING OF  
GAS SUBJECT TO NTL 4-A  
DATED 1/1/80

\*See Instructions On Reverse Side

MAR-686

EAST POPLAR PROSPECT

Texas Oil & Gas Corp. Buckles "A" #1  
Section 22, T28N - R51E  
Roosevelt County, Montana

The Buckles "A" #1 is to be located 1980' FNL and 1980' FWL (C SE/4 NW/4) of Section 22, Township 28 North, Range 51 East, Roosevelt County, Montana (TXO lease #46529-000). The lease is a recently issued United States Department of Interior; Bureau of Indian Affairs lease with the Assiniboine - Sioux Tribe of Indians. Mr. Austin R. Buckles is the sole Indian allottee.

The lease covers the entire NW/4 of Section 22, Township 28 North, Range 51 East and has a primary term of five (5) years and as long thereafter as oil and/or gas is produced in paying quantities. Absent of production, the lease will expire November 21, 1985. In addition, the lease cannot be extended by a shut-in well.

TXO's interest in this test shall be 100% W.I. and an 83.33% N.R.I. BPO/APO.

John P. Gilbert

MAR02-0687

MAR-687



Buckles "A" #1  
Roosevelt County, Montana

MAR-688

MAR02-0688

MO-148

EWF -  
Buckles "A" #1



RECEIVED  
DENVER ENV. DEPT

REF: 8WM-DW

JUN 25 1984

JUN 27 1984

Mr. Charles Curlee  
TXO Production Corporation  
1660 Lincoln Street, Suite 1800  
Denver, Colorado 80264

Dear Mr. Curlee:

You are hereby requested to submit a permit application for the following well by July 30, 1984:

Field

Well Name

East Poplar

Buckles SWD No. 1

EPA is requiring a permit application for this well for the following reasons: 1) The agency has determined that salt water disposal (SWD) wells pose a significant threat to Underground Sources of Drinking Water (USDW's) in this area and is therefore permitting them as soon as possible, and; 2) EPA has received assertions from the Bureau of Indian Affairs (BIA) of ground water contamination as a possible result of salt water disposal activities on the Fort Peck Indian Reservation. Since the East Poplar and Northwest Poplar fields are the area of greatest concern to the tribe and the BIA, we are requesting that permit applications for wells from these fields be submitted first.

Please complete the enclosed application form for the listed well by July 30, 1984. Be sure that the application is complete and that all required attachments are included. Submit the completed application to:

Chief, Drinking Water Branch  
U.S. Environmental Protection Agency (8WM-DW)  
1860 Lincoln Street  
Denver, Colorado 80295

MAR02-0689

MAR-689

The SWD well listed above may continue to operate under current authorization by rule until:

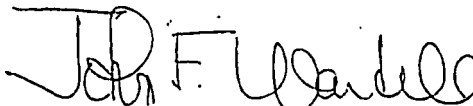
The effective date of a permit (activities will then be authorized by permit);

The denial of a permit (the well will no longer be authorized to inject); or

The owner or operator fails to submit the permit application within the time period specified in this notice (at which time the authorization to inject will be revoked).

I encourage you to contact either <sup>Laura Simmons</sup> Richard Long in the EPA Denver Regional Office (Phone: (303) 844-3914) or William Engle in the EPA Montana Operations Office (Phone: (406) 449-5414) as soon as possible if you have any questions.

Sincerely yours,

  
John F. Wardell, Director,  
Montana Office

Enclosure: Permit Application Form

MAR02-0690

MAR-690

Form <b>4</b> UIC	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY <b>UNDERGROUND INJECTION CONTROL PERMIT APPLICATION</b> <i>(Collected under the authority of the Safe Drinking Water Act, Sections 1421, 1422, 40 CFR 144)</i>										I. EPA ID NUMBER				
											T/A		C		
											U				
READ ATTACHED INSTRUCTIONS BEFORE STARTING FOR OFFICIAL USE ONLY															
Application approved <small>mo day year</small>			Date Received <small>mo day year</small>			Permit/Well Number			Comments						
II. FACILITY NAME AND ADDRESS						III. OWNER/OPERATOR AND ADDRESS									
Facility Name						Owner/Operator Name									
Street Address						Street Address									
City				State		ZIP Code		City				State		ZIP Code	
IV. OWNERSHIP STATUS (Mark 'x')						V. SIC CODES									
<input type="checkbox"/> A. Federal <input type="checkbox"/> B. State <input type="checkbox"/> C. Private <input type="checkbox"/> D. Public <input type="checkbox"/> E. Other (Explain)															
VI. WELL STATUS (Mark 'x')						VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)									
<input type="checkbox"/> A. Operating		Date Started <small>mo day year</small>		<input type="checkbox"/> B. Modification/Conversion		<input type="checkbox"/> C. Proposed									
<input type="checkbox"/> A. Individual		<input type="checkbox"/> B. Area		Number of Existing wells		Number of Proposed wells		Name(s) of field(s) or project(s)							
VIII. CLASS AND TYPE OF WELL (see reverse)						IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT									
A. Class(es) <small>(enter code(s))</small>		B. Type(s) <small>(enter code(s))</small>		C. If class is "other" or type is code 'x,' explain				D. Number of wells per type (if area permit)							
IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT						X. INDIAN LANDS (Mark 'x')									
A. Latitude		B. Longitude		Township and Range							<input type="checkbox"/> Yes <input type="checkbox"/> No				
Deg	Min	Sec	Deg	Min	Sec	Twsp	Range	Sec	1/4 Sec	Feet from				Line	Feet from
XI. ATTACHMENTS						XII. CERTIFICATION									
(Complete the following questions on a separate sheet(s) and number accordingly; see instructions) FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A — U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application:															
<i>I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)</i>															
A. Name and Title (Type or Print)										B. Phone No. (Area Code and No.)					
C. Signature										D. Date Signed					

MAR02-0691

MAR-691

## Well Class and Type Codes

Class I	Wells used to inject waste below the deepest underground source of drinking water.
Type "I"	Nonhazardous industrial disposal well
"M"	Nonhazardous municipal disposal well
"W"	Hazardous waste disposal well injecting below USDWs
"X"	Other Class I wells (not included in Type "I," "M," or "W")
Class II	Oil and gas production and storage related injection wells.
Type "D"	Produced fluid disposal well
"R"	Enhanced recovery well
"H"	Hydrocarbon storage well (excluding natural gas)
"X"	Other Class II wells (not included in Type "D," "R," or "H")
Class III	Special process injection wells.
Type "G"	Solution mining well
"S"	Sulfur mining well by Frasch process
"U"	Uranium mining well (excluding solution mining of conventional mines)
"X"	Other Class III wells (not included in Type "G," "S," or "U")
Other Classes	Wells not included in classes above.
	Class V wells which may be permitted under §144.12
	Wells not currently classified as Class I, II, III, or V.

## Attachments to Permit Application

Class	Attachments
I new well	A, B, C, D, F, H — S, U
existing	A, B, C, D, F, H — U
II new well	A, B, C, E, G, H, M, Q, R; optional — I, J, K, O, P, U
existing	A, E, G, H, M, Q, R — U; optional — J, K, O, P, Q
III new well	A, B, C, D, F, H, I, J, K, M — S, U
existing	A, B, C, D, F, H, J, K, M — U
Other Classes	To be specified by the permitting authority

## INSTRUCTIONS — Form 4 — Underground Injection Control (UIC) Permit Application

Form 4 must be completed by all owners or operators of Class I, II, and III injection wells and others who may be directed to apply for a UIC permit by the Director.

I. EPA I.D. NUMBER — Fill in your EPA Identification Number. If you do not have a number, leave blank.

II. FACILITY NAME AND ADDRESS — Name of well, well field or company and address.

III. OWNER/OPERATOR NAME AND ADDRESS — Name and address of owner/operator of well or well field.

IV. OWNERSHIP STATUS — Mark the appropriate box to indicate the type of ownership.

V. SIC CODES — List at least one and no more than four Standard Industrial Classification (SIC) Codes that best describe the nature of the business in order of priority.

VI. WELL STATUS — Mark Box A if the well(s) were operating as injection wells on the effective date of the UIC Program for the State. Mark Box B if the well(s) existed on the effective date of the UIC Program for the State but were not utilized for injection. Box C should be marked if the application is for an underground injection project not constructed or not completed by the effective date of the UIC Program for the State.

VII. TYPE OF PERMIT — Mark "Individual" or "Area" to indicate the type of permit desired. Note that area permits are at the discretion of the Director and that wells covered by an area permit must be at one site, under the control of one person and do not inject hazardous waste. If an area permit is requested the number of wells to be included in the permit must be specified and the wells described and identified by location. If the area has a commonly used name, such as the "Jay Field," submit the name in the space provided. In the case of a project or field which crosses State lines, it may be possible to consider an area permit if EPA has jurisdiction in both States. Each such case will be considered individually, if the owner/operator elects to seek an area permit.

VIII. CLASS AND TYPE OF WELL — Enter in these two positions the Class and type of injection well for which a permit is requested. Use the most pertinent code selected from the list on the reverse side of Form 4. When selecting type X please explain in the space provided.

IX. LOCATION OF WELL — Enter the latitude and longitude of the existing or proposed well expressed in degrees, minutes, and seconds or the location by township, and range, and section, as required by 40 CFR 146. If an area permit is being requested, give the latitude and longitude of the approximate center of the area.

X. INDIAN LANDS — Place an "X" in the box if any part of the facility is located on Indian lands.

XI. ATTACHMENTS — Note that information requirements vary depending on the injection well class and status. Attachments for Class I, II, and III are described on pages 4 and 5 of this document and listed by Class on page 2. Place EPA ID number in the upper right hand corner of each page.

XII. CERTIFICATION — All permit applications (except Class II) must be signed by a responsible corporate officer for a corporation, by a general partner for a partnership, by the proprietor of a sole proprietorship, and by a principal executive or ranking elected official for a public agency. For Class II, the person described above should sign, or a representative duly authorized in writing.

MAR02-0693

MAR-693

## INSTRUCTIONS — Attachments to Form 4

Attachments to be submitted with permit application for Class I, II, III and other wells.

- A. **AREA OF REVIEW METHODS** — Give the methods and, if appropriate, the calculations used to determine the size of the area of review (fixed radius or equation). The area of review shall be a fixed radius of  $\frac{1}{4}$  mile from the well bore unless the use of an equation is approved in advance by the Director.
- B. **MAPS OF WELLS/AREA AND AREA OF REVIEW** — Submit a topographic map, extending one mile beyond the property boundaries, showing the injection well(s) or project area for which a permit is sought and the applicable area of review. The map must show all intake and discharge structures and all hazardous waste, treatment, storage, or disposal facilities. If the application is for an area permit, the map should show the distribution manifold (if applicable) applying injection fluid to all wells in the area, including all system monitoring points. Within the area of review, the map must show the following:

### Class I

The number, or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, mines (surface and subsurface), quarries, and other pertinent surface features, including residences and roads, and faults, if known or suspected. In addition, the map must identify those wells, springs, other surface water bodies, and drinking water wells located within one quarter mile of the facility property boundary. Only information of public record is required to be included on this map;

### Class II

In addition to requirements for Class I, include pertinent information known to the applicant. This requirement does not apply to existing Class II wells;

### Class III

In addition to requirements for Class I, include public water systems and pertinent information known to the applicant.

- C. **CORRECTIVE ACTION PLAN AND WELL DATA** — Submit a tabulation of data reasonably available from public records or otherwise known to the applicant on all wells within the area of review, including those on the map required in B, which penetrate the proposed injection zone. Such data shall include the following:

### Class I

A description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Director may require. In the case of new injection wells, include the corrective action proposed to be taken by the applicant under 40 CFR 144.55.

### Class II

In addition to requirements for Class I, in the case of Class II wells operating over the fracture pressure of the injection formation, all known wells within the area of review which penetrate formations affected by the increase in pressure. This requirement does not apply to existing Class II wells.

### Class III

In addition to requirements for Class I, the corrective action proposed under 40 CFR 144.55 for all Class III wells.

- D. **MAPS AND CROSS SECTIONS OF USDWs** — Submit maps and cross sections indicating the vertical limits of all underground indicating the vertical limits of all underground sources of drinking water within the area of review (both vertical and lateral limits for Class I), their position relative to the injection formation and the direction of water movement, where known, in every underground source of drinking water which may be affected by the proposed injection. (Does not apply to Class II wells.)
- E. **NAME AND DEPTH OF USDWs (CLASS II)** — For Class II wells, submit geologic name, and depth to bottom of all underground sources of drinking water which may be affected by the injection.
- F. **MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA** — Submit maps and cross sections detailing the geologic structure of the local area (including the lithology of injection and confining intervals) and generalized maps and cross sections illustrating the regional geologic setting. (Does not apply to Class II wells.)
- G. **GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES (CLASS II)** — For Class II wells, submit appropriate geological data on the injection zone and confining zones including lithologic description, geological name, thickness, depth and fracture pressure.

- H. **OPERATING DATA** — Submit the following proposed operating data for each well (including all those to be covered by area permits): (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure; (3) nature of annulus fluid; (4) for Class I wells, source and analysis of the chemical, physical, radiological and biological characteristics, including density and corrosiveness, of injection fluids; (5) for Class II wells, source and analysis of the physical and chemical characteristics of the injection fluid; (6) for Class III wells, a qualitative analysis and ranges in concentrations of all constituents of injected fluids. If the information is proprietary, maximum concentrations only may be submitted, but all records must be retained.
- I. **FORMATION TESTING PROGRAM** — Describe the proposed formation testing program. For Class I wells the program must be designed to obtain data on fluid pressure, temperature, fracture pressure, other physical, chemical, and radiological characteristics of the injection matrix and physical and chemical characteristics of the formation fluids.
- For Class II wells the testing program must be designed to obtain data on fluid pressure, estimated fracture pressure, physical and chemical characteristics of the injection zone. (Does not apply to existing Class II wells or projects.)
- For Class III wells the program must be designed to obtain data on fluid pressure, fracture pressure, and physical and chemical characteristics of the formation fluids if the formation is naturally water bearing. Only fracture pressure is required if the formation is not water bearing. (Does not apply to existing Class III wells or projects.)
- J. **STIMULATION PROGRAM** — Outline any proposed stimulation program.
- K. **INJECTION PROCEDURES** — Describe the proposed injection procedures including pump, surge, tank, etc.
- L. **CONSTRUCTION PROCEDURES** — Discuss the construction procedures (according to §146.12 for Class I, §146.22 for Class II, and §146.32 for Class III) to be utilized. This should include details of the casing and cementing program, logging procedures, deviation checks, and the drilling, testing and coring programs, and proposed annulus fluid. (Request and submission of justifying data must be made to use an alternative to a packer for Class I.)
- M. **CONSTRUCTION DETAILS** — Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.
- N. **CHANGES IN INJECTED FLUID** — Discuss expected changes in pressure, native fluid displacement, and direction of movement of injected fluid. (Class III wells only.)
- O. **PLANS FOR WELL FAILURES** — Outline contingency plans (proposed plans, if any, for Class II) to cope with all shut-ins or well failures, so as to prevent migration of fluids into any USDW.
- P. **MONITORING PROGRAM** — Discuss the planned monitoring program. This should be thorough, including maps showing the number and location of monitoring wells as appropriate and a discussion of monitoring devices, sampling frequency, and parameters measured. If a manifold monitoring program is utilized, pursuant to §146.23(b)(5), describe the program and compare it to individual well monitoring.
- Q. **PLUGGING AND ABANDONMENT PLAN** — Submit a plan for plugging and abandonment of the well including: (1) describe the type, number, and placement (including the elevation of the top and bottom) of plugs to be used; (2) describe the type, grade, and quantity of cement to be used; and (3) describe the method to be used to place plugs, including the method used to place the well in a state of static equilibrium prior to placement of the plugs. Also for a Class III well that underlies or is in an exempted aquifer, demonstrate adequate protection of USDWs. Submit this information on EPA Form 7520-14, Plugging and Abandonment Plan.
- R. **NECESSARY RESOURCES** — Submit evidence such as a surety bond or financial statement to verify that the resources necessary to close, plug or abandon the well are available.
- S. **AQUIFER EXEMPTIONS** — If an aquifer exemption is requested, submit data necessary to demonstrate that the aquifer meets the following criteria: (1) does not serve as a source of drinking water; (2) cannot now and will not in the future serve as a source of drinking water; and (3) the TDS content of the ground water is more than 3,000 and less than 10,000 mg/l and is not reasonably expected to supply a public water system. Data to demonstrate that the aquifer is expected to be mineral or hydrocarbon producing, such as general description of the mining zone, analysis of the amenability of the mining zone to the proposed method, and time table for proposed development must also be included. For additional information on aquifer exemptions, see 40 CFR 144.7 and 146.04.
- T. **EXISTING EPA PERMITS** — List program and permit number of any existing EPA permits, for example, NPDES, PSD, RCRA, etc.
- U. **DESCRIPTION OF BUSINESS** — Give a brief description of the nature of the business

**MAR-695**

Joe Kagie

EWf  
Buckles  
"A" #1

NW corner of location  
40' conductor

950  
Judith  
River Formation

700 - 750 BWPD

400# inject pressure

→ 3500 BWPD

State  
Rules → same as O&G well  
but an injection well

18500 ppm salt

MAR02-0696

MAR-696

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

Texas Oil & Gas Corp.

3. ADDRESS OF OPERATOR

Suite 300, 2705 Montana Ave.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space below.)

Billings Montana 59102

AT SURFACE: 1980' FNL - 1980' FNL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON ☐

(other) Water Disposal Well

5. LEASE

14-20-0256-5066

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Austin R. Buckles

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Buckles

9. WELL NO.

"A" #1

10. FIELD OR WILDCAT NAME

N/A

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 22 - T28N-R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

2085'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Texas Oil & Gas Corp. proposes to drill a 950' water injection well for disposal of produced water from the Buckles "A" #1 well. The well would be located on the NW corner of the existing pad. Produced saline water would be injected into the Judith River formation at a rate of 700-750 BWPD at 400 psi injection pressure. See attached sheet for technical information.

Subsurface Safety Valve: Manu. and Type: \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

MAR02-0697

MAR-697

TEXAS OIL & GAS CORP.

PROPOSED INJECTION WELL

TECHNICAL INFORMATION

Date:

Well: Buckles "A" #1.

Location: 1980' FNL, 1980' FWL. Section 22-T2BN-R51W

Lease No: 14-20-0256-5066

Indian Allottee:

1) Location of Disposal Well:

2) Proposed Depth:

3) Proposed Casing & Cementing Program:

<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Weight / Foot</u>	<u>Setting Depth</u>	<u>Quantity of Cement</u>
---------------------	-----------------------	----------------------	----------------------	---------------------------

4) Injection Rate and Pressure:

5) Injection Interval and Formation:

6) Water Quality of Injection Fluid:

pH

TDS

Cl

S

7) Water Quality of Injection Formation:

The Guadalupe River Formation is commonly used for disposal of saline produced waters in the region of the Buckles "A" #1

8) No potable water aquifers will be affected by the injection

9) Well Completion Method:

MAR02-0698

MAR-698

## II. DISPOSAL IN THE SUBSURFACE

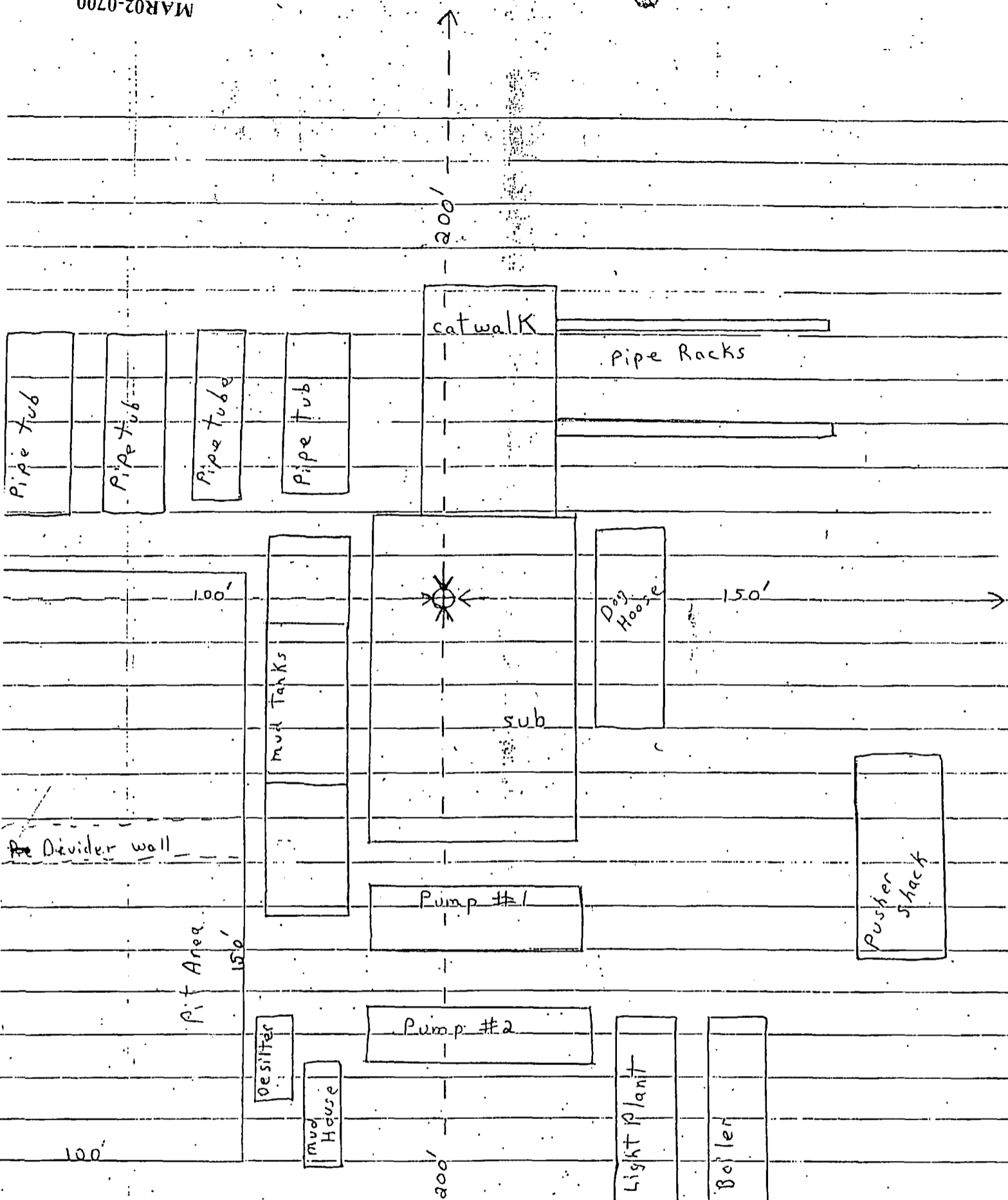
If approval is requested for subsurface water injection in connection with secondary recovery operations or for disposal purposes, the lessee or operator must furnish information which includes:

1. The designated name and number of the proposed disposal well and its location in feet and direction from the nearest section lines of an established survey. The applicable Federal or Indian oil and gas lease number or other permit and/or the ownership of the surface and minerals if other than Federal or Indian.
2. The daily quantity and sources of the produced water and a water analysis which includes total dissolved solids, pH, and the concentrations of chlorides and sulfates.
3. The injection formation and interval.
4. The quality of the fluids in the injection interval, i.e., total dissolved solids.
5. The depth and areal extent of all usable water (i.e., less than 10,000 ppm total dissolved solids) aquifers in the area.
6. The size, weight, grade and casing points of all casing strings, the size hole drilled to accommodate each string, the amount and type of cement, including additives used in cementing each string, and the top of the cement behind each casing string. In addition, bond logs may be required in certain instances.
7. The total and plugged back depth of the well.
8. The present or proposed method of completing the well for injection including the type and size of tubing and packer to be utilized, the setting depth of the packer, anticipated injection pressure, and information concerning any corrosion inhibitor fluid which is to be placed in the tubing-casing annulus.
9. Plans for monitoring the system to assure that injection is confined to the injection interval and measures to be taken should it be necessary to shut-in the disposal system.

In order to be approved, subsurface disposal must be confined (1) to formations which contain water of similar or poorer quality than the injected water or (2) to formations that contain water of such poor quality as to eliminate any practical use thereof.

In general, it will be required that subsurface disposal be accomplished through tubing utilizing a packer which is designed to hold pressure from above and below. The packer should be set at a depth where the casing is protected by competent cement but normally not more than 50 feet above the injection interval. Other procedures or methods of subsurface disposal may be approved by the District Engineer when justified by the lessee or operator.

## Bird Rig #5 Layout



BOP Stack Hydril c.k. 8" - 900

Schaffer R49 Std 9" - 3000

4 1/2" pipe  
& blinds

TEXAS OIL & GAS CORP.

Inter-Office Memorandum

Date: March 4, 1981

To: Leo Heath  
Billings

From: C.K. Curlee  
Re: Buckles "A" #1  
Section 22-T28N-R51E  
Roosevelt County, Montana

Attached for your files are copies of the Sundry Notice and transmittal letter that were submitted to the Billings, USGS office. The Sundry Notice was submitted with regard to the modified casing program that we discussed on 3 March 1981.

If you have any questions or need further assistance on the Buckles well, please advise.

CKC  
CKC

CKC/bs  
Attachments/as stated

MAR02-0701

MAR-701

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

March 4, 1981

U.S. Geological Survey  
Post Office Box 2550  
Billings, Montana 59103

Attention: Mr. Tom Richmond

Re: Buckles "A" #1  
Section 22-T28N-R51E  
Roosevelt County, Montana

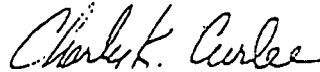
Dear Mr. Richmond:

Enclosed for your review and approval are three copies of a Sundry Notice for the above-referenced well. The Sundry Notice addresses a change in the casing program. Texas Oil & Gas Corp. currently plans to spud this well on or about March 25, 1981.

If you have any questions or need additional information regarding the enclosures, please contact either Leo Heath, District Engineer, in our Billings office (telephone 406-248-4330) or me (303-861-4246).

Very truly yours,

TEXAS OIL & GAS CORP.



Charles K. Curlee  
Environmental Administrator

CKC/bs  
Enclosures/as stated

MAR02-0702

MAR-702

TEXAS OIL & GAS CORP.

Inter-Office Memorandum

Date: February 6, 1981

To: Well File

From: Charles K. Curlee

Re: Joint On-site Inspection

Buckles "A" #1

Section 22-T28N-R51E

Roosevelt County, Montana

On 3 February 1981, a joint on-site inspection was held for the above referenced well. The following persons were in attendance:

Jim Mitchell	Billings USGS Environmental Scientist
Ernie Morton	Ft. Peck BIA Surface Protectionist
Leo Heath	TXO Billings Engineer
Charles Curlee	TXO Denver Environmental Administrator

The following items were discussed at the on-site inspection and need to be relayed to the dirt contractor:

- 1) Access road. During drilling operations, the proposed access road will proceed along the plow line of the agricultural field from the middle of the west side of Section 22 2000' east. From this point the road will go north to the location. This route is flagged. Construction will be limited to minor blading to smooth out rough spots and placement of scoria or gravel material if necessary. If the well is commercial, this road will be upgraded to an 18-20' wide road that is ditched, drained and gravelled as needed. One culvert may be necessary near the point at which the proposed access road begins from the existing road. Check the surface stipulations from BIA.
- 2) Reserve pit. The necessity of lining the reserve pit with an impervious material was discussed due to the sandy nature of the surface soils. The BIA representative strongly suggested lining with a plastic material. It was suggested that we contact Dale Heitzman, Casper, Wyoming, who has some information regarding plastic liners, as well as L.P. Anderson, a dirt contractor who sells plastic liners.

It was resolved that TXO would contact Ernie Morton (BIA) after excavation of the pit so that he could examine the subsurface conditions. The action taken on pit lining will then follow his recommendation.

Disposal of reserve pit contents was also discussed. It was suggested that mud from the pits would be vacuumed and used on other offsets or disposed of in a commercial landfill. If the pit is lined with plastic, the lining can be used for offset wells, if any. If not, the lining should either be removed or ripped prior to burial to eliminate the impervious layer.

- 3) Trash pit. It was suggested that combustible materials be burned in a trash pit but that non-combustible materials be placed in some kind of a dumpster for removal and disposal in a commercial landfill at a later date.

Page Two  
Memo  
File/Curlee

- 4) Stockpile locations. Topsoil removed from the location (most of the material involved in cuts) should be stockpiled on the south end of the pad adjacent to the access road. Excavation material from the reserve pit should be stockpiled off of the north end of the reserve pit. If salt tanks are needed on location, they should be placed on the stockpile of material excavated from the reserve pit and not on the topsoil stockpile. (See attached pad/rig layout diagram.)

CKC *CKC*

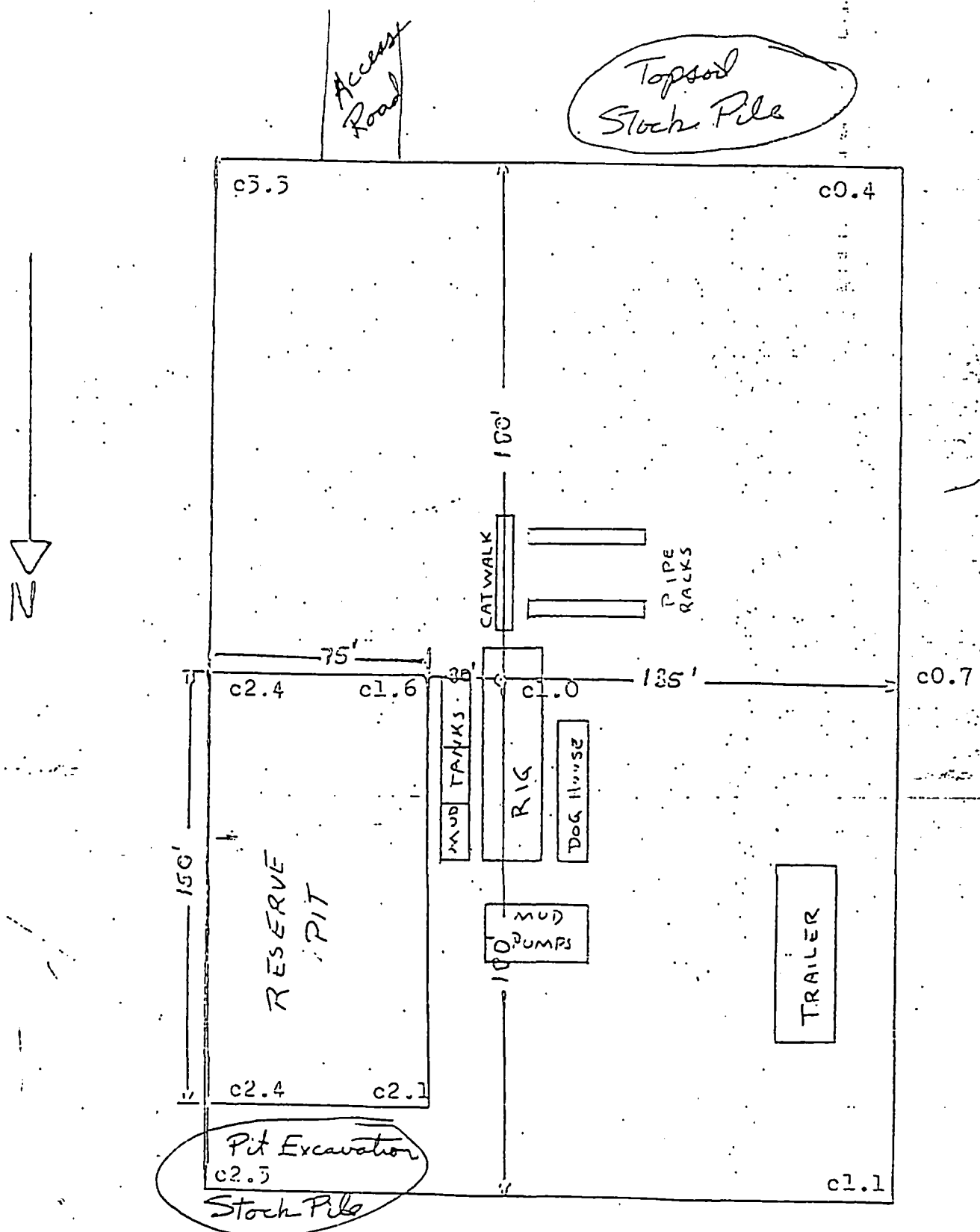
CKC/bs  
cc/Leo Heath, TXO Billings  
Jim Mitchell, USGS Billings  
Sherrod Construction, Pompei's Pillar, MT

MAR02-0704

MAR-704

Texas Oil & Gas Corp.  
Buckles A #1  
Typical Rig Layout

Exhibit 6



TEXAS OIL & GAS CORP.

Inter-Office Memorandum

Date: February 6, 1981

To: John Gilbert

From: Charles K. Curlee-Denver

Billings

Re: Buckles "A" #1

A joint on-site inspection for the above referenced well was held on 3 February 1981, at which time surface disturbance was discussed. After the conclusion of the inspection, I calculated the total amount of the disturbed area to be 3.4 acres, including disturbance due to a 2500 foot access road. The total disturbed acreage figure will be required for determining surface damages with the Buckles family.

On 5 February 1981 I had a brief telephone conversation with Francis Eagleman, BIA lease clerk, Ft. Peck Indian Reservation, regarding surface disturbance and the surface owner agreement. Eagleman suggested that during the surface damages negotiations, the status of the access road, in the event of a dry hole, be determined; that is, do the Buckles want the access road rehabilitated, or all or a portion of it left behind. I have included a rough Xerox copy of the topographic map in that area which shows the access road route to the location. Note that the east/west portion of this access road runs along a plow line (dividing line between two agricultural fields). This portion may be left as built, depending on the Buckles family decision.

Eagleman gave clearance for TXO to initiate negotiations for a surface damage agreement. I assume that you will be taking care of that as soon as possible. Completion of the damage agreement will be necessary for receipt of an approved permit from the USGS.

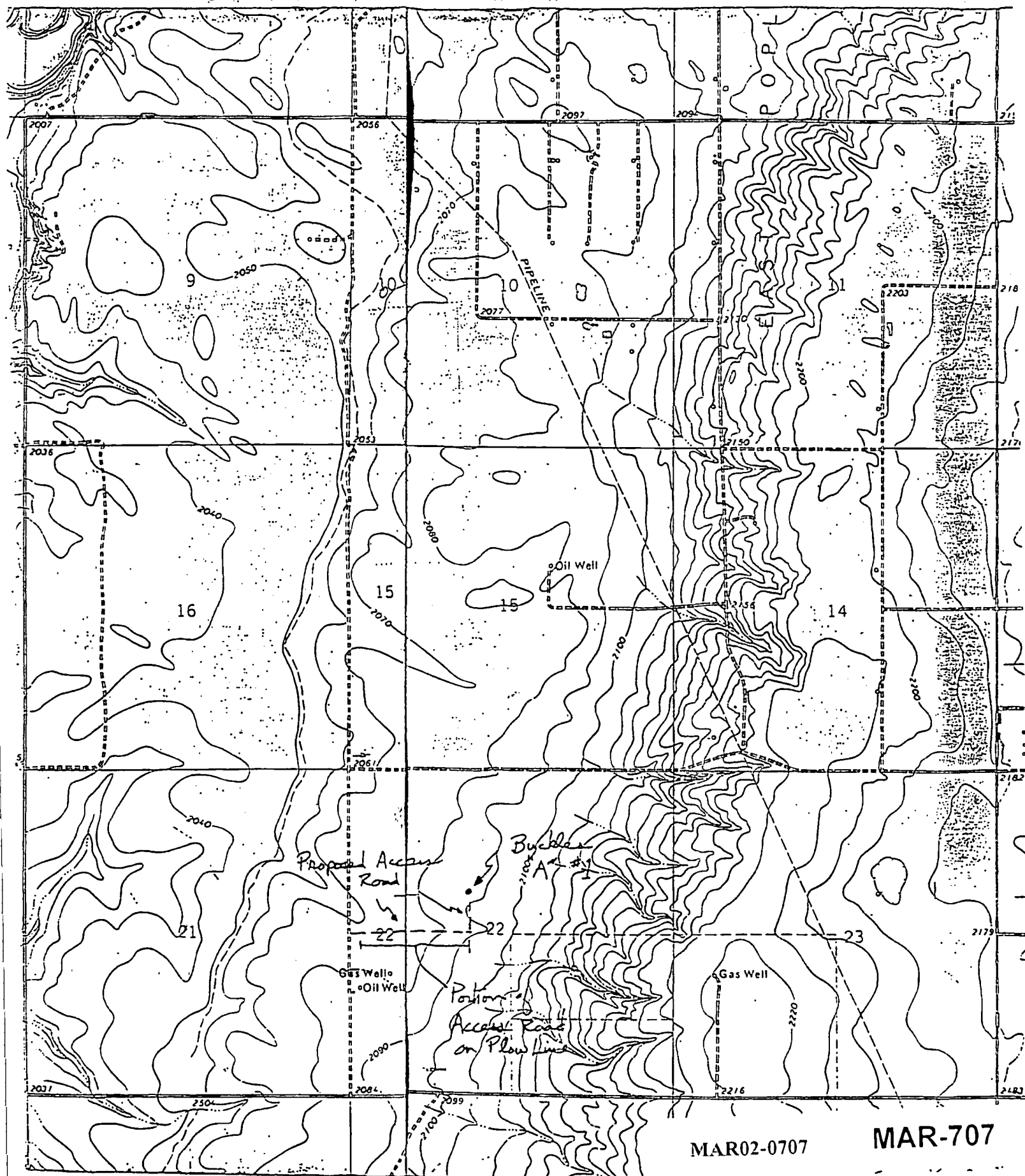
If you have any questions, please feel free to give me a call.

CKC. *CKC*

CKC/bs  
Enclosure/as stated  
cc/Leo Heath, TXO Billings

MAR02-0706

MAR-706



MAR02-0707

MAR-707

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 16, 1981

Bureau of Indian Affairs  
Superintendent, Fort Peck Indian Reservation  
Post Office Box 637  
Poplar, Montana 59255

Attention: Dave Allison

Re: Buckles "A" #1  
Section 22-T28N-R51E  
Roosevelt County, Montana

Dear Mr. Allison:

Enclosed for your information is a copy of our APD package for the above-mentioned well. Contained in the package are an Application for Permit to Drill, a 9331-C Addendum, and a Multipoint Surface Use and Operations Plan.

If you have any questions, please contact me at this office. I look forward to meeting you again during the joint on-site inspection.

Very truly yours,

TEXAS OIL & GAS CORP.



Charles K. Curlee  
Environmental Administrator

CKC/bs

MAR02-0708

MAR-708

TEXAS OIL & GAS CORP.

Inter-Office Memorandum

Date: December 30, 1980

To: John Gilbert

From: C.K. Curlee-Denver

Billings

Re: Buckles "A" #1

On 22 December 1980, I spoke with Francis Eagleman, BIA Lease Clerk, Fort Peck, regarding the Buckles "A" #1 well. Purpose of the call was to obtain information so that we could proceed with survey staking and the preparation of the APD package. As a result of the discussion, I also obtained some additional information relating to the lease that I want to pass on to you.

Eagleman is sending photocopies of the lease to the USGS Casper Area Office and to me directly rather than waiting for the microfilm processing which would have resulted in a four-week delay. Once I receive the lease, I will forward to you.

The lease tract, of course, is designated as "home use", that is, treated as Indian land even though the surface and mineral estates are owned by Austin Buckles. As a result, the BIA office will be advising Audrey Buckles in negotiations with TXO. Eagleman requested that we not contact Audrey regarding negotiations, payment of surface damages, etc. until after a formal joint on-site inspection has been held. We will need to determine the amount of total disturbed acres, which will be used as a basis for damage settlement. Land use of the tract is agriculture and as a consequence, the BIA determined that no archeological survey is required.

If you have any questions, please advise.

CKC

CKC/bs

MAR02-0709

MAR-709

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

November 26, 1980

Bureau of Indian Affairs  
Superintendent, Fort Peck  
Post Office Box 637  
Poplar, Montana 59255

Attn: Ms. Francis Eagleman

Re: Preliminary Environmental Review  
Buckles "A" #1, et. al.  
Section 22-T28N-R51E  
Roosevelt County, Montana

Dear Ms. Eagleman:

Enclosed for your use is a copy of the Preliminary Environmental Review request letter that Texas Oil & Gas Corp. filed with the Billings USGS office regarding the above-referenced proposed oil and gas development on the Fort Peck Indian Reservation.

If you have any questions concerning the enclosure, please contact either John Gilbert (406) 248-4330 or me (303) 861-4246.

Very truly yours,

TEXAS OIL & GAS CORP.

*Charles K. Curlee*

Charles K. Curlee  
Environmental Administrator

CKC/bs  
Enclosure/as stated  
cc/John Gilbert, Billings TXO

MAR02-0710

MAR-710

File:  
Buckles A-1

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

IN THE MATTER OF THE APPLICATION )  
OF TEXAS OIL & GAS CORPORATION )  
FOR AN ORDER PERMITTING THE )  
DISPOSAL OF PRODUCED WATER FROM )  
THE EAST POPLAR FIELD, ROOSEVELT )  
COUNTY, MONTANA INTO THE JUDITH )  
RIVER FORMATION. )

Order No. 121-A-81

ADMINISTRATIVE

In this matter, TEXAS OIL & GAS CORPORATION, applicant, seeks permission from the Board to dispose of water produced from its operation in the East Poplar Field, Roosevelt County, Montana by injecting said water into its Buckles SWD No. 1 well located in the SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> Section 22, Township 28 North, Range 51 East, Roosevelt County, Montana. The application is complete in all respects and satisfies the provisions and requirements of Board Rules No. 36.22.1226 and 36.22.1228. All pertinent information concerning said application has been supplied to the Board and the same does not pertain to secondary recovery or a waterflood plan and it appearing to the Board that the application is in order, the following order is hereby made:

IT IS THEREFORE ORDERED by the Board of Oil and Gas Conservation of the State of Montana that the application of TEXAS OIL & GAS CORPORATION to dispose of water produced with oil from its operations in the East Poplar Field, Roosevelt County, Montana by injection into its well described above for ultimate disposal in the Judith River Formation between the depths of 785 feet to 846 feet be and the same is hereby approved.

IT IS FURTHER ORDERED that at such time as injection is commenced that the operator file its Report of Subsurface Injections through the use of Board Form No. 5 to be submitted to the Board office in Billings, Montana.

Dated at Helena, Montana this 29th day of September, 1981.

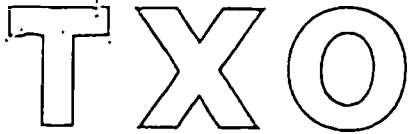
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

D. Rickman, Executive Secretary

(SEAL)

MAR02-0711

MAR-711



TXO PRODUCTION CORP.

DENVER DISTRICT  
INTER-OFFICE MEMORANDUM

Date: October 12, 1981

To: Leo Heath

From: C. K. Curlee

TXO Billings

Re: Buckles "A" #1  
Section 22-T28N-R51E  
Roosevelt County, Montana

Attached is a notice sent to me by the Montana Oil & Gas Conservation Commission regarding the Buckles salt water disposal well. You may have also received a copy from the Commission but the attached is forwarded to you in the event it was sent here by mistake.

*CKC*  
CKC

CKC/JY

Attachments/as stated

MAR02-0712

MAR-712

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

IN THE MATTER OF THE APPLICATION )  
OF TEXAS OIL & GAS CORPORATION )  
FOR AN ORDER PERMITTING THE )  
DISPOSAL OF PRODUCED WATER FROM )  
THE EAST POPLAR FIELD, ROOSEVELT )  
COUNTY, MONTANA INTO THE JUDITH )  
RIVER FORMATION. )

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IT IS FURTHER ORDERED that at such time as injection is commenced that the operator file its Report of Subsurface Injections through the use of Board Form No. 5 to be submitted to the Board office in Billings, Montana.

Dated at Helena, Montana this 29th day of September, 1981.

BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

\_\_\_\_\_  
D. Rickman, Executive Secretary

(SEAL)

MAR02-0713

MAR-713

## SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

### PART I GENERAL INFORMATION

1. Name of facility Buckles "A" #1
2. Type of facility On Shore Production Facility
3. Location of facility SE 1/4 NE 1/4 Section 22-T28N-R51E, Roosevelt County, Montana  
Facility is approximately 6 miles NNE of Poplar, Montana
4. Name and address of owner or operator:  
Name TXO Production Corp.  
Address 2705 Montana Avenue, Suite 300, Billings, Montana  
59101
5. Designated person accountable for oil spill prevention at facility:  
Name and title Leo A. Heath, Project Engineer
6. Facility experienced a reportable oil spill event during the twelve months prior to Jan. 10, 1974 (effective date of 40 CFR, Part 112). (If YES, complete Attachment #1.) NO

#### MANAGEMENT APPROVAL

This SPCC Plan will be implemented as herein described.

Signature \_\_\_\_\_  
Name Ron G. Becker  
Title Project Manager

#### CERTIFICATION

I hereby certify that I have examined the facility, and being familiar with the provisions of 40 CFR, Part 112, attest that this SPCC Plan has been prepared in accordance with good engineering practices.

\_\_\_\_\_  
Printed Name of Registered Professional Engineer

(Seal)

\_\_\_\_\_  
Signature of Registered Professional Engineer

Date \_\_\_\_\_

Registration No. \_\_\_\_\_ State \_\_\_\_\_

PART I  
GENERAL INFORMATION

7. Potential Spills — Prediction & Control:

<u>Source</u>	<u>Major Type of Failure</u>	<u>Total Quantity (bbls)</u>	<u>Rate (bbls/hr)</u>	<u>Direction of Flow*</u>	<u>Secondary Containment</u>
1 Oil Tank Battery (3 Tanks)	Overflow Leaks	1200 Max. Storage	1 bbl/hr		Earthen Dike
1 Water Tank		400 Max Storage	<sup>50</sup> <del>42</del> bbl/hr salt water		Earthen Dike

Discussion:

\*Attach map if appropriate.

MAR02-0715

Name of facility Buckles "A" #1

Operator TXO Production Corp.

(Part I) Page 2 of 3

MAR-715

PART I  
GENERAL INFORMATION

[Response to statements should be: YES, NO, or NA (Not Applicable).]

8. Containment or diversionary structures or equipment to prevent oil from reaching navigable waters are practicable. (If NO, complete Attachment #2.) Yes
9. Inspections and Records
- A. The required inspections follow written procedures. Yes
- B. The written procedures and a record of inspections, signed by the appropriate supervisor or inspector, are attached. Yes
- Discussion: Pumper is required to keep a daily log of facilities, recording all malfunctions along with correcting same, if possible. A written report on all leaks will be prepared after corrective action is taken and given to the project engineer or designee. The completed leakage report will be summarized and made a part of this plan after an inspection by the project engineer to make sure the leak has been properly corrected.

10. Personnel Training and Spill Prevention Procedures

- A. Personnel are properly instructed in the following:
- (1) operation and maintenance of equipment to prevent oil discharges, and Yes
- (2) applicable pollution control laws, rules, and regulations. Yes
- Describe procedures employed for instruction: Every employee is given instructions on operation and maintenance of the facilities he is assigned to by a qualified person. Specific instruction for each facility is given by direct communication between the project engineer and his pumpers.

- B. Scheduled prevention briefings for the operating personnel are conducted frequently enough to assure adequate understanding of the SPCC Plan. Yes
- Describe briefing program: Briefings will be held each 6 months or after any major change in either operations or regulations. The agenda for these briefings will include:
1. Change in rules and regulations since last meeting.
  2. Review of SPCC Plan for changes because of new equipment, etc.
  3. Instruction in new spill prevention methods.
  4. Instruction in new cleanup methods.
  5. Discussion of new suggestions.

Name of facility Buckles "A" #1

Operator TXO Production Corp.

MAR02-0716

PART II. ALTERNATE B  
DESIGN AND OPERATING INFORMATION  
ONSHORE OIL PRODUCTION FACILITY

[Response to statements should be: YES, NO, or NA (Not Applicable).]

A. Facility Drainage

1. Drainage from diked storage areas is controlled as follows (include operating description of valves, pumps, ejectors, etc.): Due to the arid conditions of the area large accumulations of storm water is unlikely. In the event of a large storm, water will be removed by vacuum truck.

2. The procedure for supervising the drainage of rain water from secondary containment into a storm drain or an open watercourse is as follows (include description of (a) inspection for pollutants, and (b) method of valving security). (A record of inspection and drainage events is to be maintained on a form similar to Attachment #3): N/A

3. Field drainage ditches, road ditches, and oil traps, sumps, or skimmers, if such exist, are inspected at regularly scheduled intervals for accumulations of oil. Yes  
Describe inspection procedures, intervals, and methods employed to remove oil: Pumper makes daily visual inspection. Any accumulations of oil is to be removed by a vacuum truck.

B. Bulk Storage Tanks

1. Describe tank design, materials of construction, and fail-safe engineering features: Oil Tank Battery: Four 12' X 20' 400 bbl API welded steel tanks set on pea gravel inside a grade band. Tanks are equipped with vacuum pressure release guage hatches and overflow equalizing lines between the oil tanks.

Name of facility Buckles "A" #1

Operator TXO Production Corp.

MAR02-0717

PART II, ALTERNATE B  
DESIGN AND OPERATING INFORMATION  
ONSHORE OIL PRODUCTION FACILITY

[Response to statements should be: YES, NO, or N/A (Not Applicable).]

2. Describe secondary containment design, construction materials, and volume: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Describe tank examination methods and procedures: Tanks are under daily inspection by pumpers. Leaks are reported immediately and appropriate repairs are made by qualified maintenance personnel employed by tank manufacturing companies. An project Engineer will periodically inspect tanks for visible leaks  
\_\_\_\_\_  
\_\_\_\_\_

C. Facility Transfer Operations

1. Describe scheduled basis for examinations of above-ground valves and pipelines and salt water disposal facilities: All valves are located in such a manner that daily checks and routine maintenance may be performed with little difficulty. All flowlines are buried and can not be visually inspected. Maintenance consists of monthly chemical fluid analysis to alert for abnormally high dissolved iron concentrations indicating active corrosion, and monthly checks of in-line corrosion coupons installed at strategic points. Corrosion is controlled by continuous injection of chemical corrosion inhibitors.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Describe flowline maintenance program to prevent spills: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

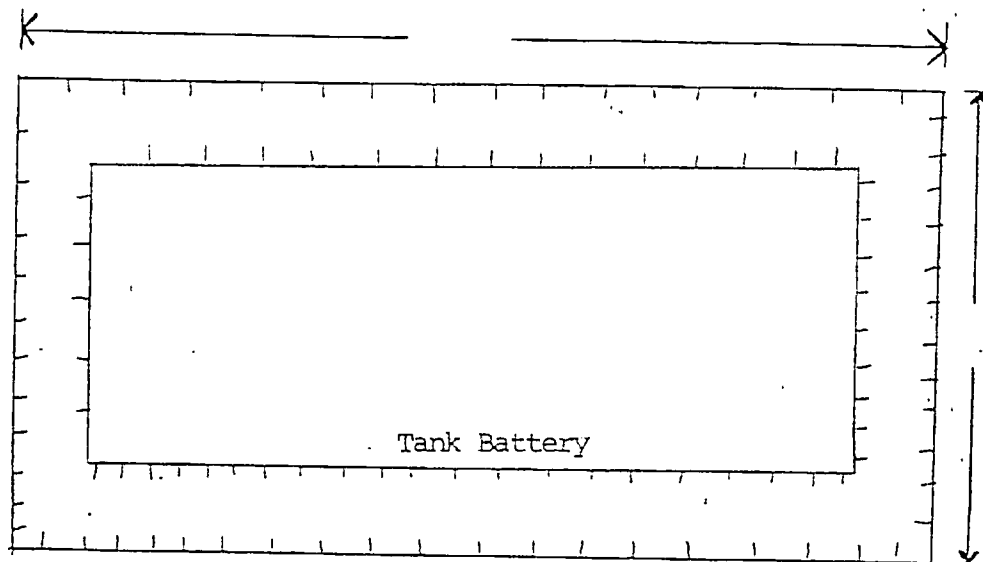
D. Oil Drilling and Workover Facilities

- |   |            |
|---|------------|
| 1. A blowout preventer (BOP) assembly and well control system is installed before drilling below any casing string and, as required during workover operations. | <u>yes</u> |
| 2. The BOP assembly is capable of controlling any expected wellhead pressure.   | <u>yes</u> |
| 3. Casing and BOP installations conform to state regulations.   | <u>yes</u> |

Name of facility Buckles "A" #1

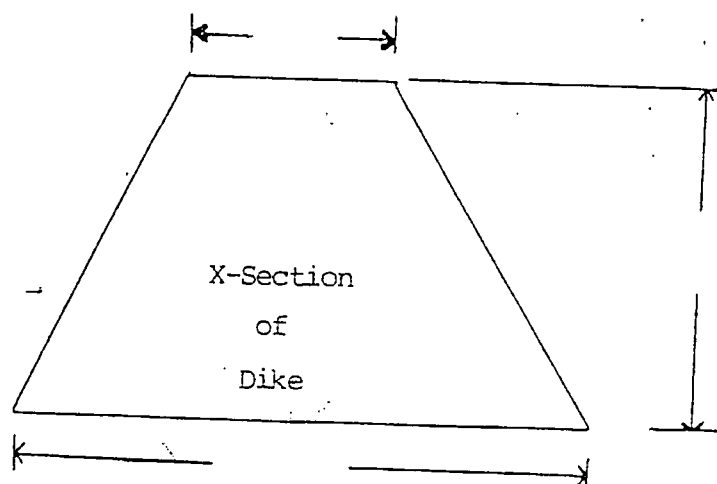
Operator TXO Production Corp.

MAR02-0718



Earthen Dike

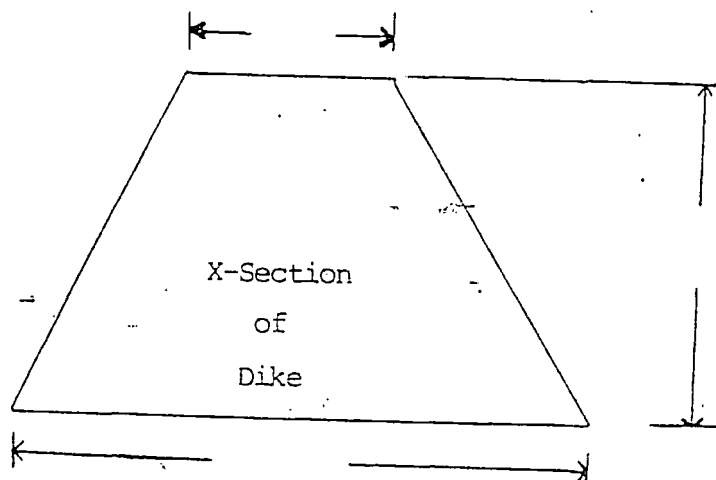
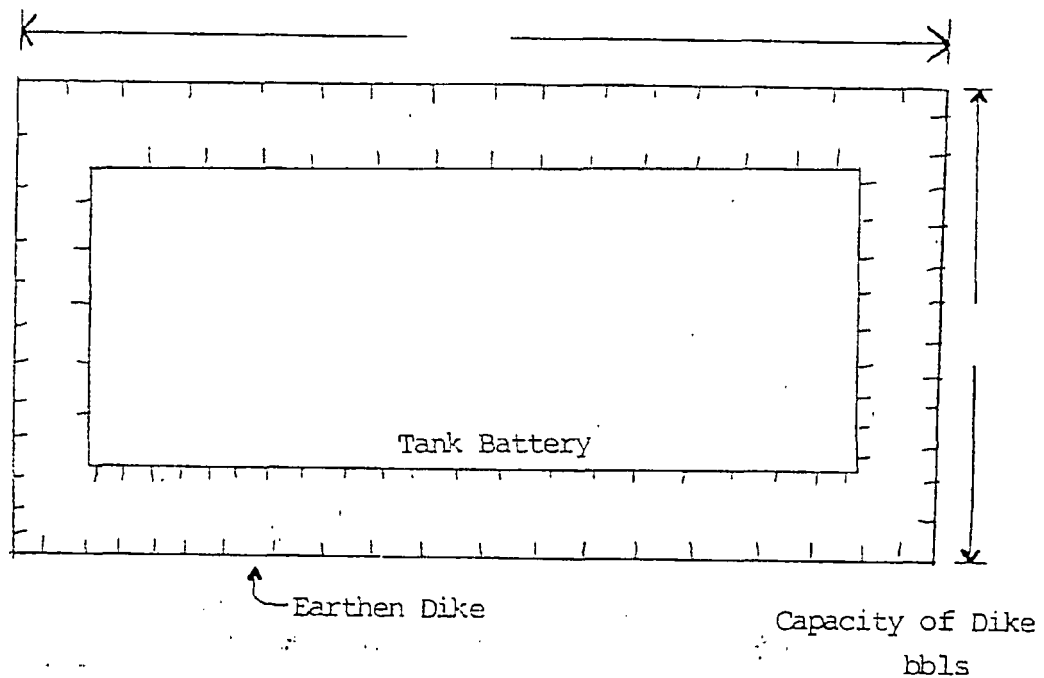
Capacity of Dike  
bbls



Buckles "A" #1  
Dimensions of Oil Tank Battery Dike

MAR02-0719

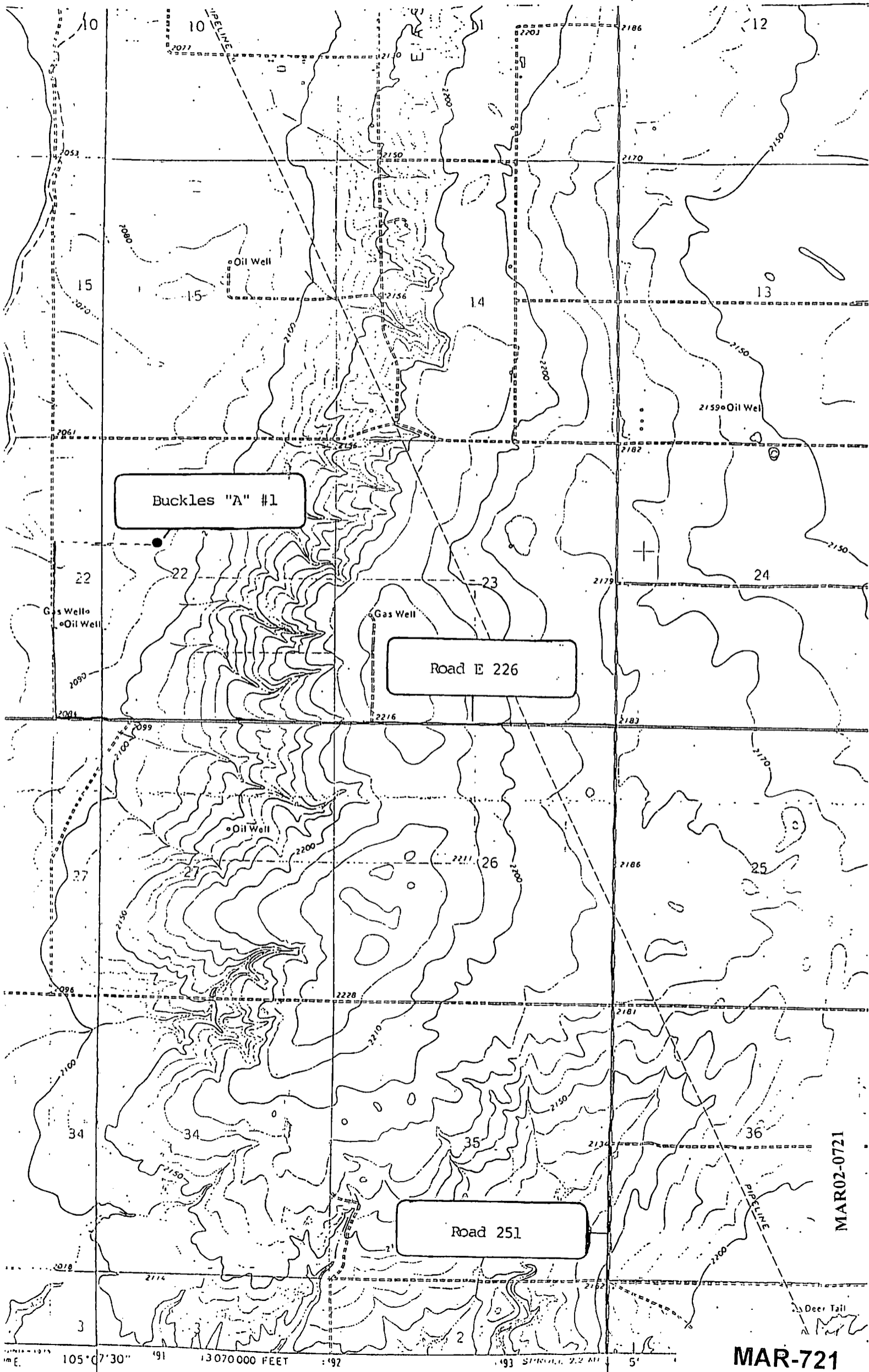
MAR-719



MAR02-0720

MAR-720

From Poplar, go east on Highway 2 approximately 4.5 miles to Road 251. Turn north, proceed 3.4 miles to Road E226. Turn west, proceed 2.0 miles to section road. Turn north for 0.5 miles to access road. The access road proceeds east for .38 miles, then .13 miles north to the Buckles "A" #1





BUCKLES "A" #2  
Roosevelt County, Montana

MAR02-0722

MAR-722

MO-148



# United States Department of the Interior

OFFICE OF THE SECRETARY  
Minerals Management Service  
P.O. Box 2550  
Billings, Montana 59103-2550

EW#

*Suchko*  
A

May 6, 1982

TXO Production Corp.  
Suite 300, 2705 Montana Ave.  
Billings, MT 59102

Gentlemen:

The following Permit to Drill has been approved for over twelve months.  
If you plan to drill an extension must be requested which will be good  
for a maximum of six months.

<u>Well No.</u>	<u>Location</u>	<u>Lease</u>
A-2	NE NW 22-28N-51E	Ft. Peck Al. 14-20-0256-5066

Please let us know the status of this permit by June 10, 1982. If you  
do not plan to drill this well the permit will be rescinded.

If you have any questions please feel free to contact Charles Laakso  
at this office.

Sincerely yours,

*Charles E. Laakso*

Chun Chiu Wong  
Acting District Supervisor

*Charlie Cullen  
TXO definitely will not drill this  
well. Do you wish that I take  
care of this? John Gilbert*

MAR02-0723

MAR-723

MAR02-0724

MAR-724

TEXAS OIL & GAS CORP.  
Proposed Well

Buckles "A" #2

- 1) Application for Permit to Drill
- 2) Multipoint Surface Use and Operations Plan

Roosevelt County, Montana

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Texas Oil &amp; Gas Corp.

## 3. ADDRESS OF OPERATOR

Suite 300, 2705 Montana Avenue, Billings, Montana 59102

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FNL, 1980' FWL

At proposed prod. zone

660' FNL, 1980' FWL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 6 miles NNE of Poplar, Montana

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

660'

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

## 19. PROPOSED DEPTH

6000'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2089' GR

## 22. APPROX. DATE WORK WILL START\*

April 25, 1981

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# New	1200'	Circulate to surface
7 7/8"	5 1/2"	15 5# & 17#	6000'	700 sacks

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Ron Becker TITLE Project ManagerDATE 3/31/81

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

MAR02-0725

MAR-725

9-331 C ADDENDUM  
Buckles "A" #2  
Section 22-T28N-R51E  
Roosevelt County, Montana

1. SURFACE FORMATION: Bear Paw

2. ESTIMATED FORMATION TOPS:

Judith River	730'	Tyler	4880'
Eagle	1180'	Otter	5032'
Muddy	2978'	Kibbey Sand	5194'
Dakota	3236'	Kibbey Lime	5328'
Swift	3694'	Charles	5486'
Bierdon	4142'	Charles A	5556'
Piper	4801'	Charles B	5674'
Amsden	4748'	Charles C	5826'

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Oil and Gas Zones:

Judith River	Brackish Water
Muddy	Salt Water
Dakota	Salt Water
Kibby	Salt Water
Charles	Oil

4. CASING PROGRAM AS PER FORM 9-331 C.

5. PRESSURE CONTROL EQUIPMENT:

- A. After surface casing is set, a standard two-preventer system will be utilized.
- B. The BOP equipment will be pressure-tested to 1,500 psi before drilling surface pipe cement, and will be tested for operation daily and during trips.
- C. A diagram of the proposed installation. See Exhibit 1.

6. MUD PROGRAM;

0'	-	600'	Water
600'	-	4000'	Salt Water
4000'	-	TD	Saturated Salt Gel

7. AUXILIARY EQUIPMENT:

- A. A kelly cock will be kept in the string at all times.
- B. A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string, as necessary.

MAR02-0726

MAR-726

C. A gas-detecting device hot wire will be used from 3,000' to TD.

D. A desander and/or desilter will be utilized as required.

8. CORING, LOGGING, TESTING PROGRAM:

A. No coring is anticipated.

B. Possible DST in the Charles C.

C. Dual laterolog-base surface casing to T.D.

D. FDC-CNL-GR-Cal - Tyler formation to T.D.

9. ABNORMAL CONDITIONS:

A. No abnormal pressures or temperatures are expected.

B. No hazardous gases such as H<sub>2</sub>S are expected.

C. Hole sloughing and washouts may be experienced in salt sections below 4,000'.  
Appropriate control measures will be exercised.

10. ANTICIPATED STARTING DATES:

Start location construction	April 25, 1981
Spud	April 30, 1981
Complete Drilling	May 15, 1981
Completed, ready for pipeline	June 15, 1981

11. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

MAR02-0727

MAR-727

TEXAS OIL & GAS CORP.  
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: March 18, 1981

WELL NAME: Buckles "A" #2

LOCATION: 660' FNL, 1980' FWL, Section 22-T28N-R51E, Roosevelt Co., Montana

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 660' FNL and 1980' FWL of Section 22-T28N-R51E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Poplar, east on Highway 2 approximately 4.5 miles to Flaxville blacktop road. Turn north, proceed 4.5 miles to section road. Turn west, proceed 2.0 miles to section road. Turn north for 1 mile to an intersection. Turn right and proceed 0.3 miles to the proposed access road.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The roads leading to the access road are well traveled. The road from Highway 2 is a blacktop county road. The section roads are graded, gravelled and well traveled. Only the access road will require any maintenance. During wet periods, some maintenance may be required to allow travel by drilling rigs and well service vehicles. During dry periods, wetting the access road may be required to control dust.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road approximately 0.1 mile long will be constructed from the north section line of Section 22-T28N-R51E. The road will proceed due south to the drill site. The road will be 18-20 feet wide, with minimal grade. No drainages will be crossed. If the well is commercially productive, the road will be bar-ditched and crowned to facilitate drainage. An alternative route, which proceeds north from the Buckles "A" #1 pad, was considered but rejected in order to minimize surface disturbance. See Exhibit 5.

3. LOCATION OF EXISTING WELLS

Exhibit 6 is a one-mile radius locating and identifying the following:

- A. Water Wells - None
- B. Abandoned Wells - Murphy Oil Unit #72, Sec. 22-T28N-R51E  
Amarco Resources USA 1-27, Sec. 27-T28N-R51E

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MAR-728

- C. Temporarily Abandoned Wells - None
- D. Disposal Wells - None
- E. Drilling Wells - None
- F. Producing Wells - Mesa 1-22 Biere, Sec. 22-T28N-R51E  
                                 Juniper #1-21 Poplar, Sec. 21-T28N-R51E  
                                 Murphy Oil Unit #22, Sec. 14-T28N-R51E  
                                 Murphy Oil Unit #55, Sec. 23-T28N-R51E  
                                 Murphy Oil Unit #32, Sec. 15-T28N-R51E
- G. Shut-In Wells - None
- H. Injection Wells - Mesa, Sec. 22-T28N-R51E
- I. Monitoring or Observation Wells for Other Reasons - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator:
  - 1. Tank Batteries - None
  - 2. Production Facilities - None
  - 3. Oil Gathering Lines - None
  - 4. Gas Gathering Lines - None
  - 5. Injection Lines - None
  - 6. Disposal Lines - None
- B. If new facilities are contemplated, in the event of production show:
  - 1. Proposed location and attendant lines in relation to the well pad. Refer to Exhibit 7.
  - 2. Dimensions of facilities. Refer to Exhibit 7.
  - 3. Construction methods and materials: Water production will be contained in a bar production pit according to NTL-2B specifications. A production unit will be set. All connection work will be done by an oilfield service company using standard oilfield materials.
  - 4. Protective devices and measures to protect livestock and wildlife: The water production pit will be fenced and flagged to protect animals.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location and type of water supply: Water for drilling purposes will be purchased and hauled from a commercial water hauler. If additional state or federal permits are required, they will be obtained from the appropriate Montana State authority, or the BLM Resource Area Headquarters.
- B. Method of transporting water: Water will be transported via truck over the access route described in Section 1B of the MSUOP. No new roads will be required.
- C. If water well is to be drilled, so state: No water well is contemplated.

**MAR-729**

**MAR02-0729**

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is not anticipated that any materials for construction will be required beyond materials from the minimal cut on the location.
- B. Identify if from Federal or Indian Land: The surface is owned by Austin R. Buckles.
- C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used: None to be transported.
- D. Show any needed access roads crossing Federal or Indian lands. Refer to Exhibit 5.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be separated by screen and gravity and contained in the reserve pit and subsequently covered when the pit is filled.
- B. Drilling fluids to be contained in the reserve pit and allowed to evaporate prior to filling.
- C. Produced fluids will be contained in the reserve pit and allowed to evaporate prior to filling.
- D. Sewage - Portable toilet will be provided.
- E. Garbage will be placed in a trash pit, fenced and covered with a small mesh wire fence for burning and burial after completion of the well.
- F. Statement regarding proper cleanup when rig moves out. When the rig moves out, all trash and surface refuse will be disposed of by burial in the trash pit or by removal from the location. All pits will be filled after drying and all areas restored as under Item #10.

8. ANCILLARY FACILITIES

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross-section and plan view of drill pad with cuts and fills: Refer to Exhibits 8 and 9.
- B. Location of mud tank, reserve pit, burn pit, trash pit, pipe racks and living facilities: Refer to Exhibit 10.

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MAR-730

- C. Rig orientation, parking area: Refer to Exhibit 10.
- D. Statement regarding pit lining: The reserve pit will be unlined for all drilling operations.

#### 10. PLANS FOR RESTORATION OR SURFACE

- A. Backfilling, levelling, contouring and waste disposal: The reserve pit will be fenced until it can be cleaned up, then will be levelled to the original contour. The mouse and rat holes will be filled. As per Item #7, trash will be burned and buried.
- B. Revegetation and rehabilitation: Upon backfilling of the reserve and mud pits, the disturbed area will be recontoured prior to seeding; previously stockpiled topsoil will be redistributed evenly.
- C. Prior to rig release, pits will be fenced and so maintained until cleanup can be properly done.
- D. If any oil is on the pit, it will be removed or overhead flagging will be installed.
- E. Timetable for comment and completion of rehabilitation operations: Depending upon weather for rapid seed germination and standing crop, restoration should be final one year after spud date.

#### 11. OTHER INFORMATION

##### General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The proposed well site is located in a flat wheat field. The land slopes slightly to the west from the drill site, toward the Poplar River. The land is currently being cultivated. The nearest water source is the Poplar River, approximately 2 miles west. In addition, there are numerous intermittent (drainage) streams that follow a low ridge 0.5 mile to the east. The ridge runs north-south and has an elevation of about 80-120 feet above the elevation of the well pad. Dominant fauna includes small mammals and birds. No endangered species are known to exist in the area.
- B. Other surface-use activities: The surface is privately-owned by Austin R. Buckles; it is currently being farmed by the Buckles family. Texas Oil & Gas Corp. has executed a surface damage agreement with Mr. Buckles.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: The Poplar River is located approximately 2.0 miles west of the drill site; in addition, there are a number of intermittent streams east of the drill site. There is a ranch house located approximately 0.7 mile south-southwest of the drill site. The Bureau of Indian Affairs has conducted an environmental survey of the area and has determined that since the drill site is located in an active agricultural area, that any archeological, historical, or cultural values would have been destroyed or disturbed. Therefore, an archeological survey will not be required.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

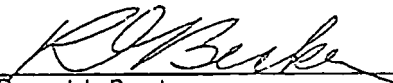
Ronald Becker  
Leo Heath - 406/656-9917 - Residence  
Texas Oil & Gas Corp.  
2705 Montana Ave., Suite 300  
Billings, Montana 59101  
406/248-4330 - Business

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

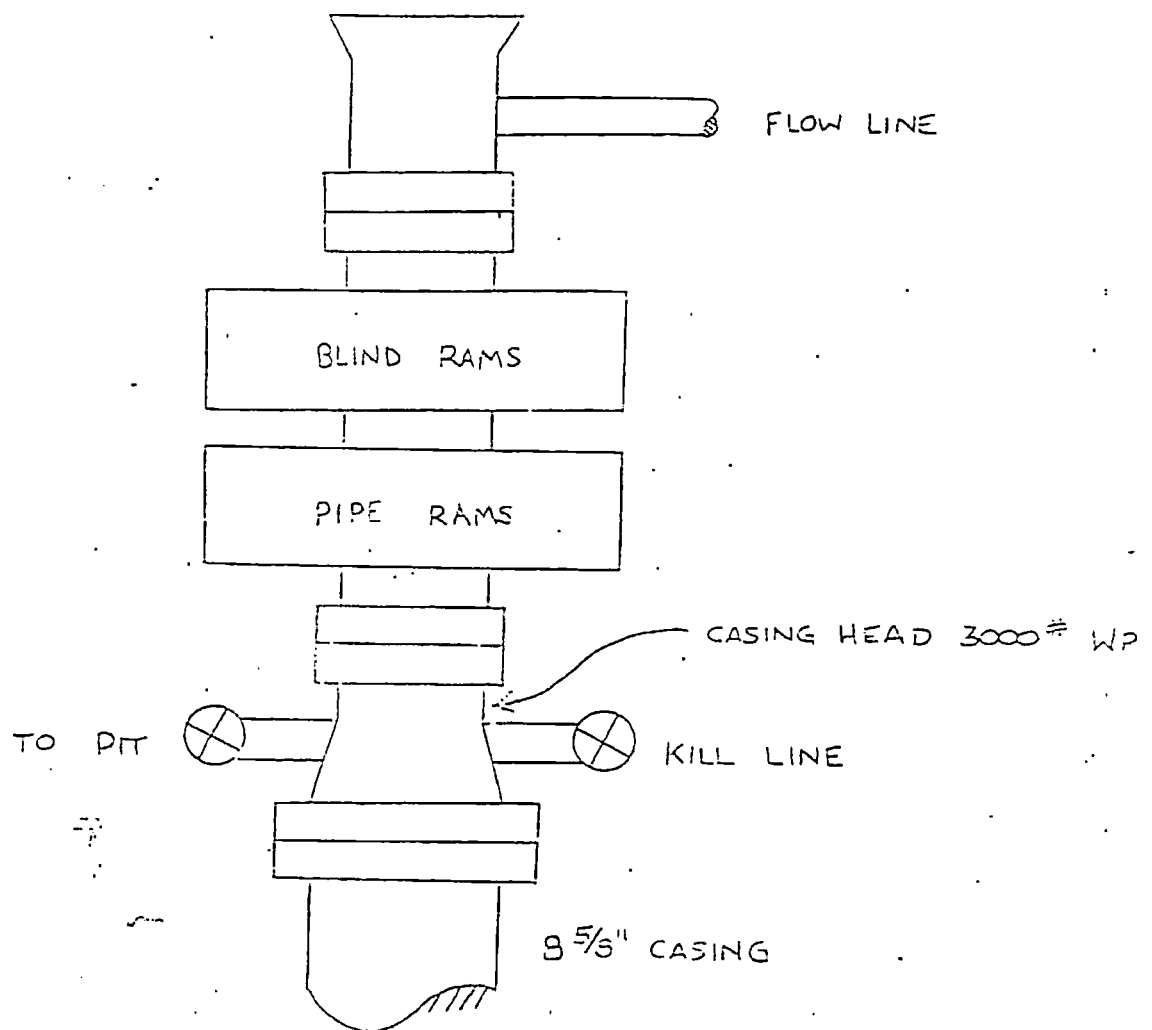
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texas Oil & Gas Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: 3/31/81

  
\_\_\_\_\_  
Ronald Becker  
Project Manager

MAR02-0732

MAR-732



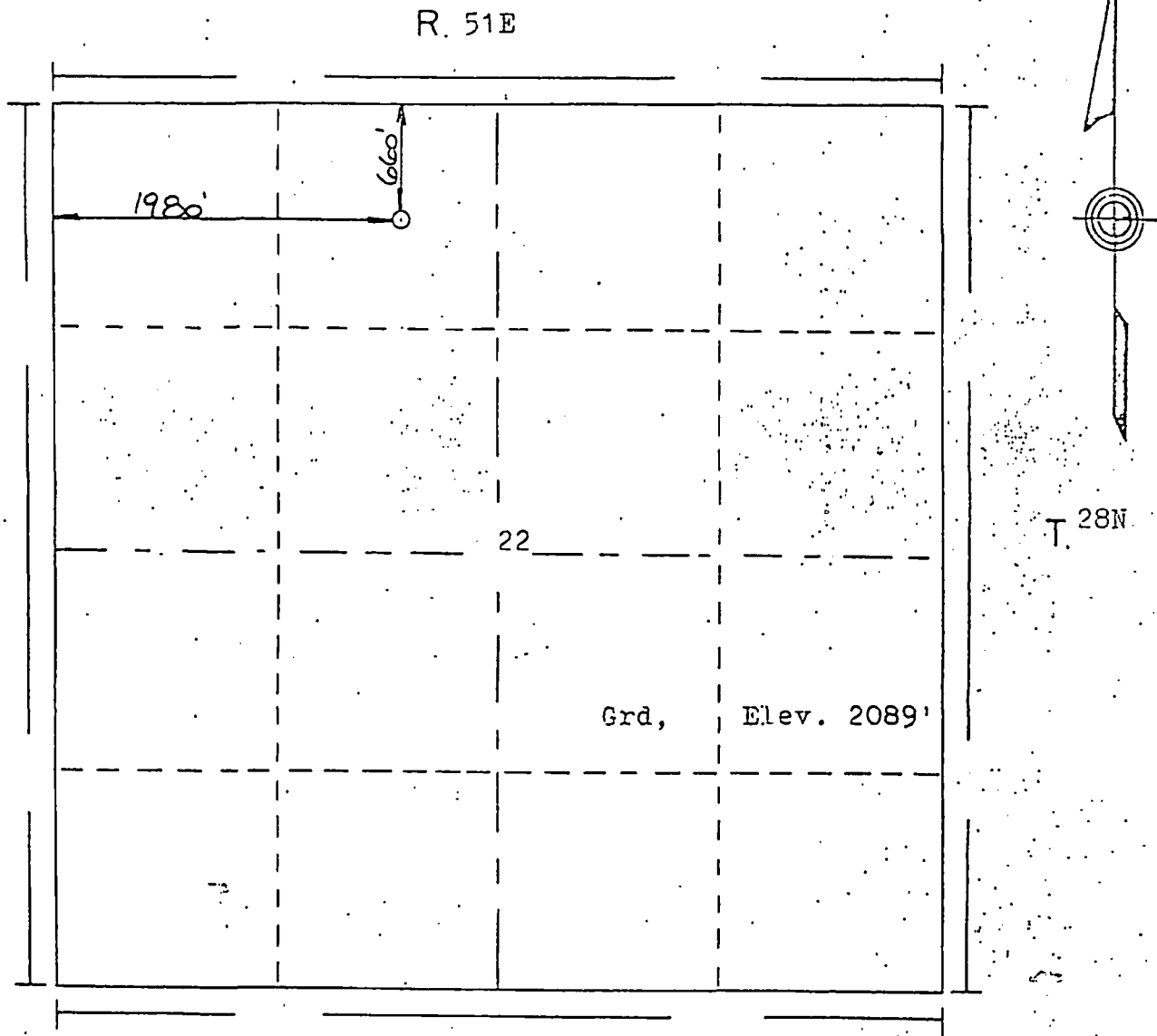
BLOWOUT PREVENTER SCHEMATIC  
FOR MUD DRILLING

MAR02-0733

MAR-733



FORM F-106



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado

has in accordance with a request from Charlie Curlee  
for Texas Oil & Gas Corp.

determined the location of Buckles A#2

to be 660fN 1980fW

Section 22 Township 28N

Range 51E of the Montana principal Meridian

Roosevelt County, Montana

I hereby certify that this plat is an  
accurate representation of a correct  
survey showing the location of  
Buckles A # 2

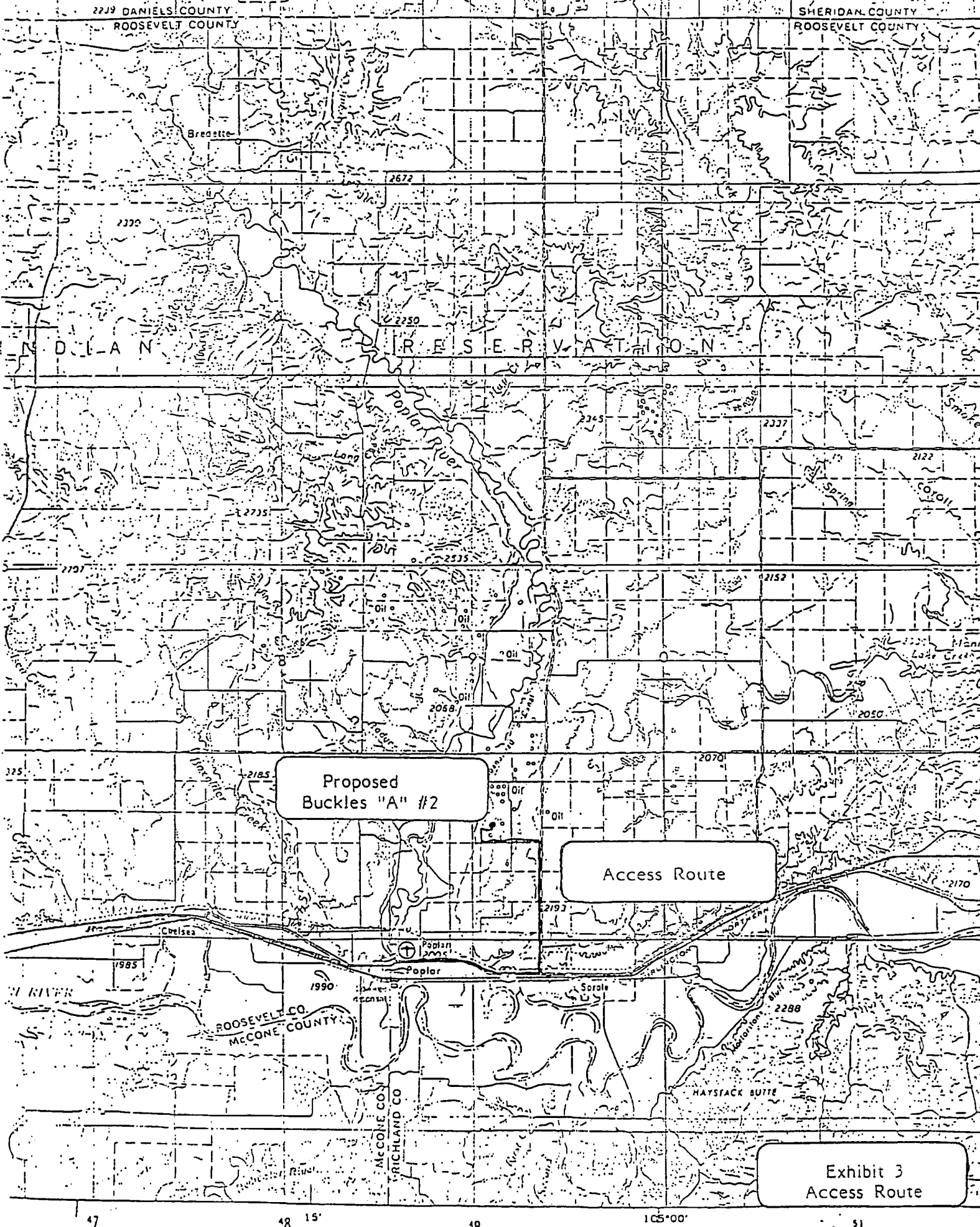
MAR02-0734

MAR-734

Date: 3 Feb. 81

*T. Nelson*  
Licensed Land Surveyor No. 2134S  
State of Montana

Exhibit 2  
Survey Plat

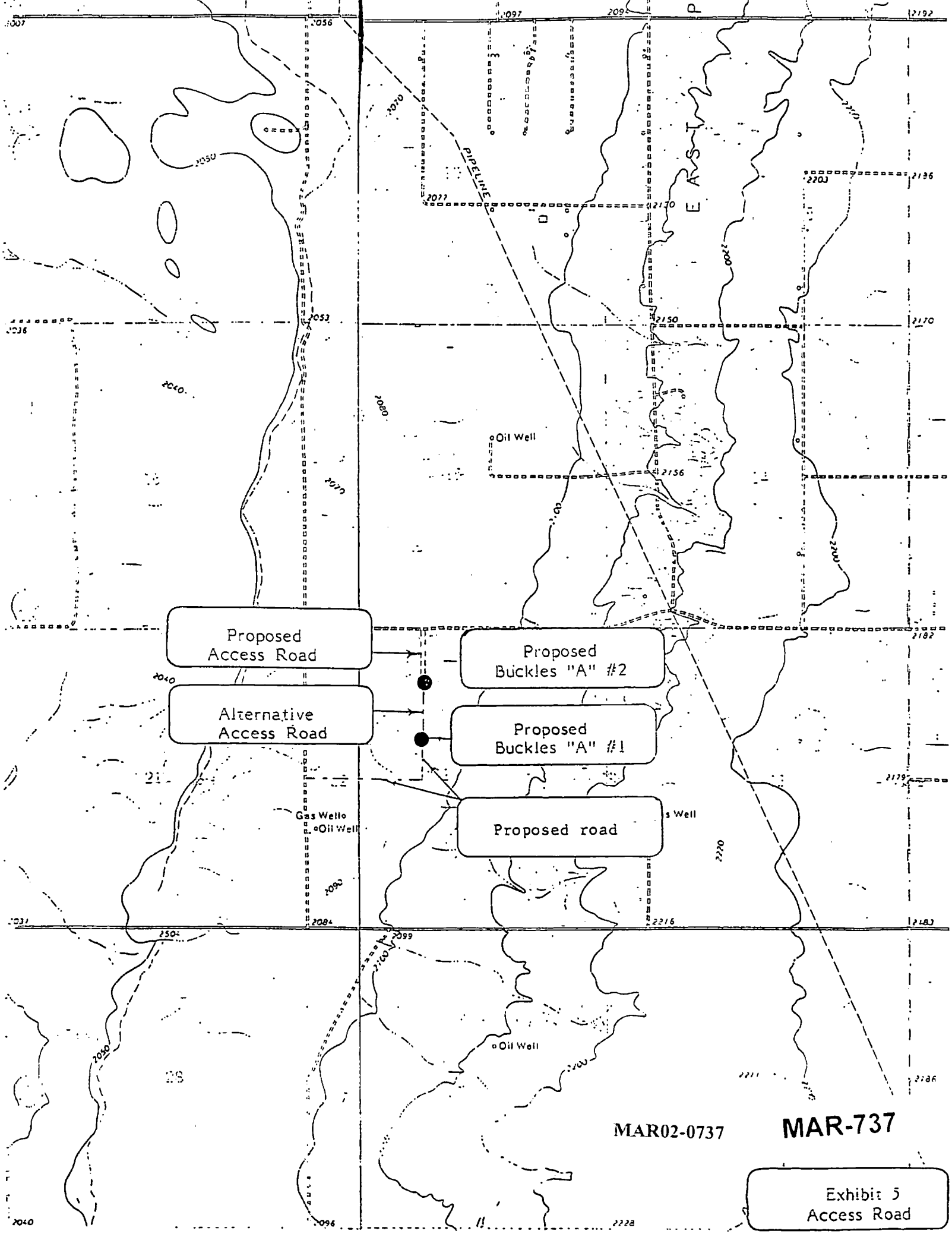


Proposed  
Buckles "A" #2

Access Route

Exhibit 3  
Access Route





MAR02-0737

MAR-737

Exhibit 5  
Access Road

COMPL 8-25-52  
NO TESTS

MURPHY OIL  
UNIT #32  
COMPL 11-54  
IP 41 BOPD  
PARO 2 BOPD

MURPHY OIL  
UNIT #10  
COMPL 11-57  
IP 268 BOPD  
CUM 356343  
BO  
PARO 3814  
BOPD

MURPHY OIL  
UNIT #20  
COMPL 1953  
IP 16 BOPD  
CUM 416938 BO  
PARO 3 BOPD

MURPHY OIL  
UNIT #22  
COMPL 1953  
IP 181 BOPD  
CUM 24694 BO  
PARO 9 BOPD

MURPHY OIL  
UNIT #104  
COMPL 1958  
IP 221 BOPD  
CUM 344,958 BO  
PARO 15 BOPD

Proposed  
Buckles "A" #2

Buckles "A" #1

MESA 1-22 BIERE  
COMPL 6-8-70  
IP 516 BOPD  
996 BWPD  
CUM 158,999 BO + 1350166 BW  
PARO 15 BO + 1160 BWPD (4-80)

MURPHY OIL  
UNIT #55  
COMPL 6-53  
IP 198 BOPD  
CUM 226,466 BO  
PARO 6 BOPD

MURPHY OIL  
UNIT #26  
COMPL 8-53  
IP 23 BOPD  
CUM 61,779 BO  
T-2 E-62  
P B A 1955

JUNIPER  
#1 21 FOPD  
COMPL 3-80  
IP 4 BOPD  
100 BWPD  
CUM 242 BO  
SHUT-IN

TD 596' K<sub>1</sub>  
SWD

MURPHY OIL  
UNIT #72  
P B A 4-55  
DST Mcc - REC 90' GAS  
FP 15-15  
SIP 2995

TD 850

T51E

AMARCO RESOURCES  
USA 1-27  
COMPL 7-73  
DST Mcc-11  
280' HO + GCM, 15% OIL  
90' MCSW  
(580-187)

MURPHY OIL  
UNIT #63  
COMPL 2-55  
IP 54 BOPD  
CUM 5097 BO  
KIBBEY SD  
P B A 1962

NATOL SIOUX 1-26  
COMPL 2-28-70  
IP 20 BO + 215 BWPD  
PROD TEST 3 BOPD  
P B A 1971

PARTEE - CATLIN 1  
COMPL 6-13-65  
TD'D IN KIBBEY  
NO SPL SHOWS  
NO TESTS

AJAX OIL CO  
PATCH #1  
COMPL 8-1952  
DST Mcc-REC 125' GCM  
25' O + WCM  
FP: OFF SIP 2925  
CORED Mcc Lk, SSD

EMPIRE OIL  
LOCKMAN #1  
P B A 1959  
DST Mcc-1 REC 300' MUD-  
300' SMCS W/  
FP 75' 300'  
SIP 2974

EXHIBIT 6  
1 Mile Radius

MAR-738

MAR02-0738

R28N

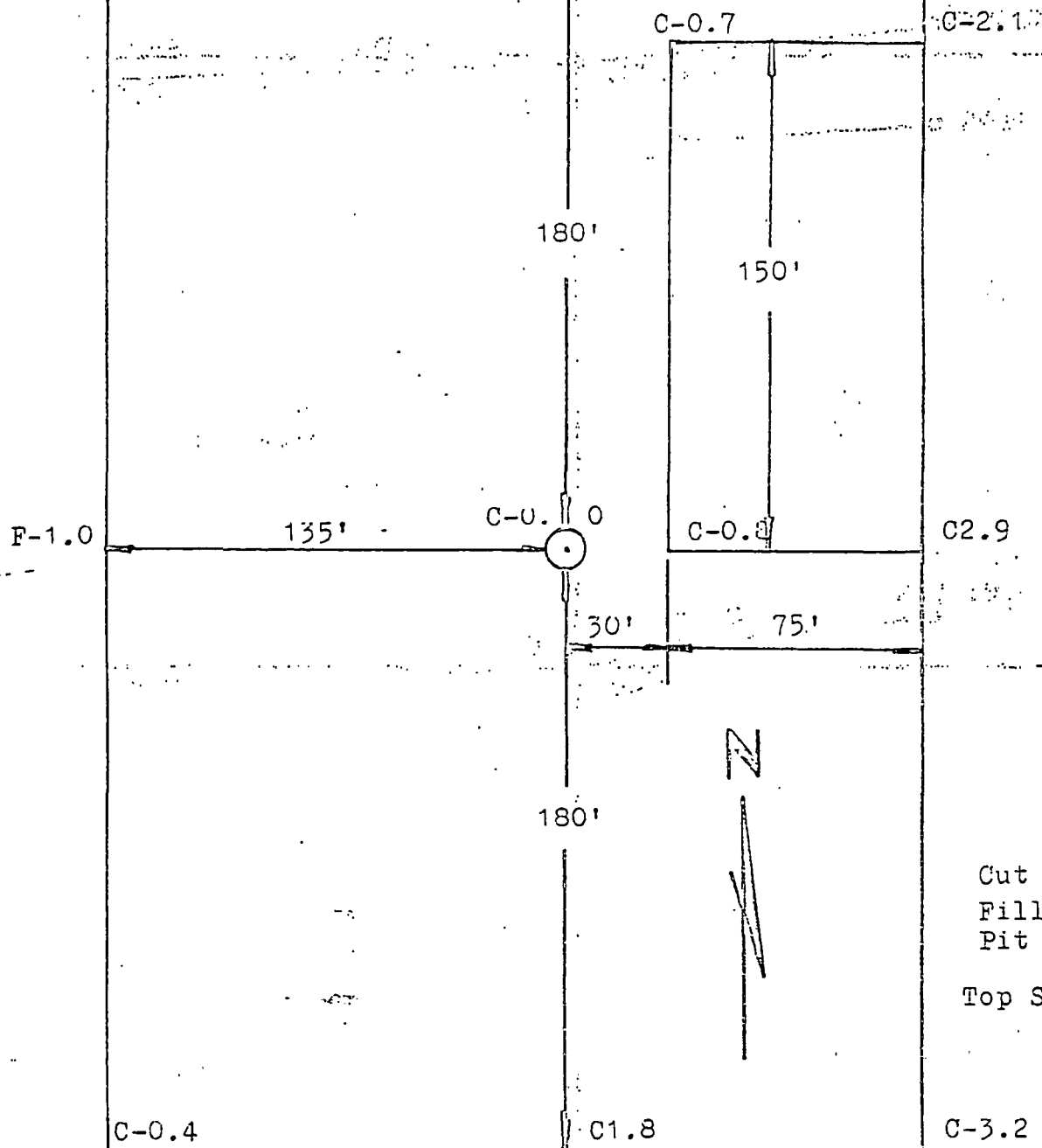
A hand-drawn site plan of a reclaimed area. The plan is enclosed in a rectangular boundary. At the top left, there are two circles labeled "PRODUCTION & WATER TANKS". To their right, a dashed line labeled "WATER" and "OIL" runs horizontally, ending at a circle labeled "HEATER TREATER". A dashed line labeled "c0.4" connects the heater treater to the tanks. In the center, a rectangle is labeled "PUMP JACK". A dashed line labeled "c0.7" runs diagonally from the pump jack towards the heater treater. The plan is divided into several sections by dashed lines. Dimensions are given in feet: "100'" vertically on the left, "135'" horizontally on the right, "75'" horizontally near the tanks, and "30'" vertically near the pump jack. Various other dimensions are labeled: "c2.4", "c1.6", "c1.0", "c2.1", "c2.5", and "c1.1". A north arrow is located on the left side, pointing downwards. At the bottom, a section is labeled "Access Road".

**MAR02-0739**

F-1.7

F-0.4

C-1.7



Cut 761.4 cu.yds.  
 Fill 681.4 cu.yds.  
 Pit 10'deep  
 4166.7 cu.yds.  
 Top Soil 1920.0 cu. y

Notes:

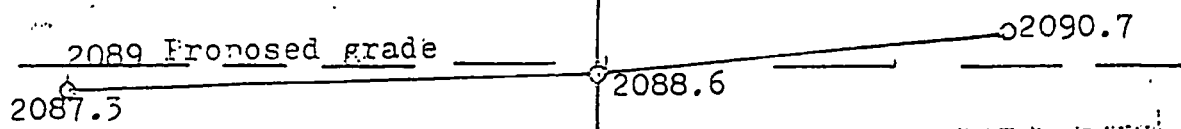
All C's and F's are to proposed grade.  
 Stock pile top Soil on west side of site.  
 Excess dirt to be used in construction  
 or road to north of location.

TEXAS OIL & GAS CORP.  
 1800 Lincoln Center Bldg.  
 1660 Lincoln Street  
 Denver, Colo. 80264

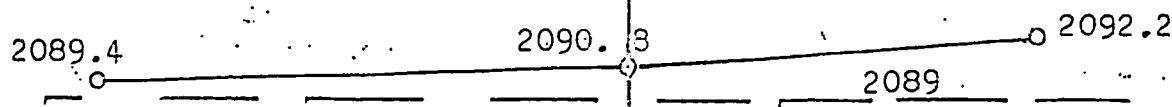
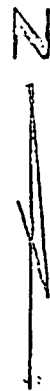
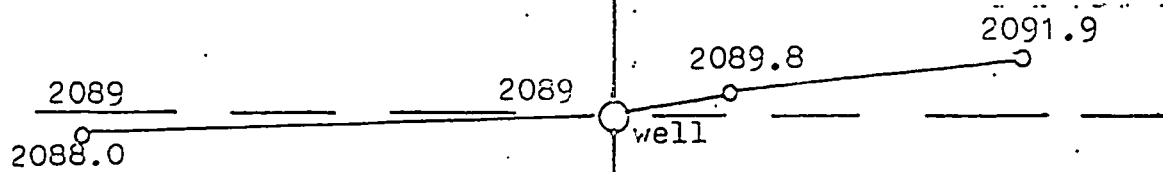
MAR02-0740

MAR-740

Exhibit 8  
 Cut & Fill



Horz. Scale: 1"=50'  
 Vert. Scale: 1"=10'

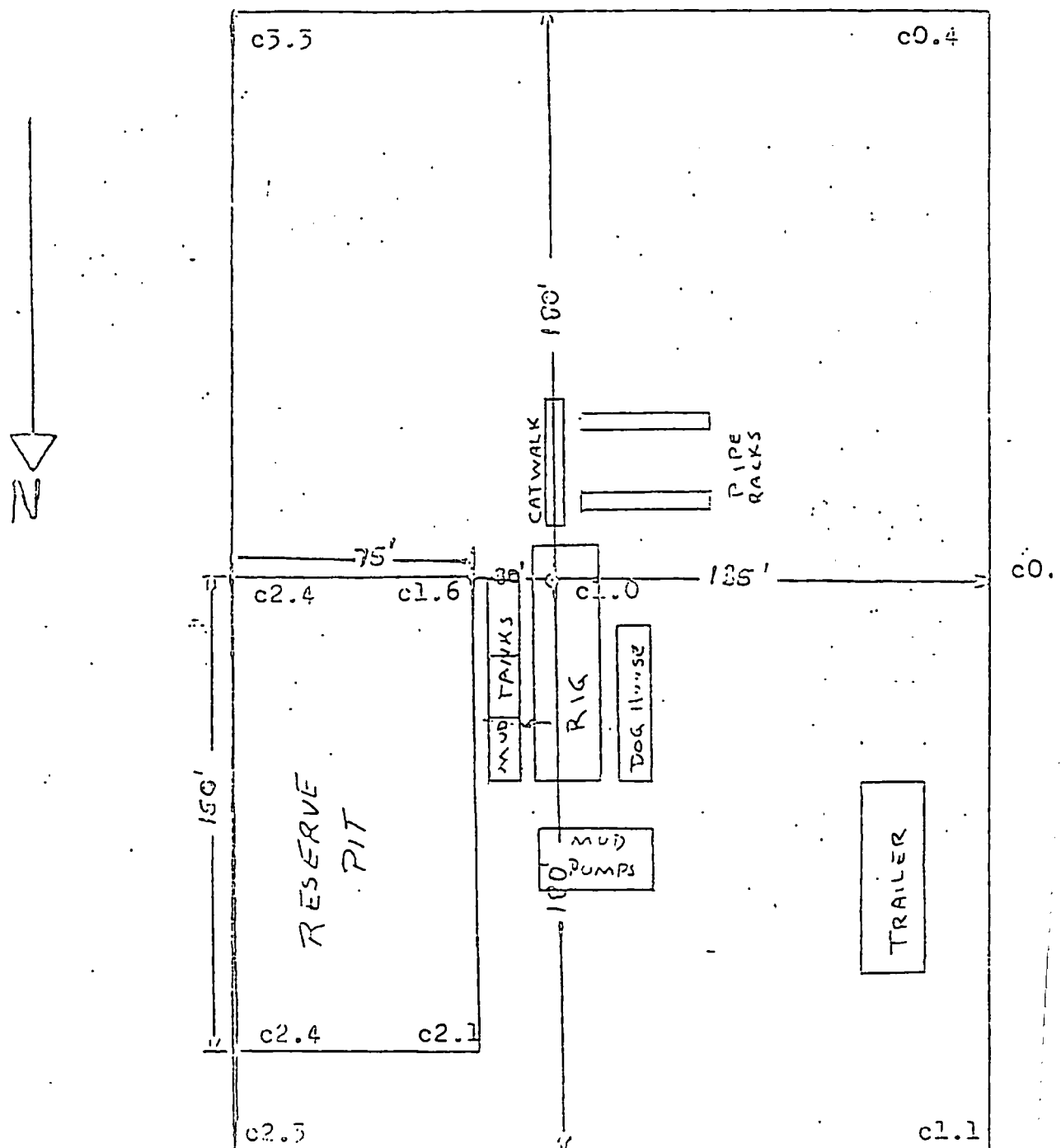


MAR02-0741

MAR-741

100 50 50 100 150

### Rig Layout



MAR-742

MAR02-0742

(SUBMIT IN QUADRUPLICATE)

TO

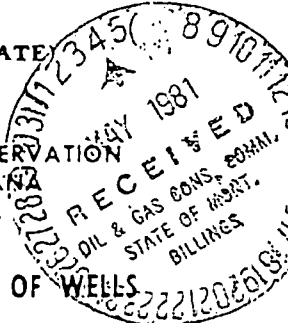
BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

## SUNDRY NOTICES AND REPORT OF WELLS

NOTICE  
THIS FORM BECOMES A  
PERMIT WHEN STAMPED  
APPROVED BY AN AGENT  
OF THE BOARD.

MAC 36-3.18(10)-S18020  
MAC 36-3.18(10)-S18030  
MAC 36-3.18(10)-S18140  
MAC 36-3.18(10)-S18170  
MAC 36-3.18(10)-S18200  
MAC 36-3.18(10)-S18310  
MAC 36-3.18(10)-S18330  
MAC 36-3.18(14)-S18380



Notice of Intention to Drill	XX	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	75
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	6/7/94
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	10/133
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	CHECK NO. 8
Notice of Intention to Pull or Alter Casing		Supplementary Well History	DRILLING PERMIT NO. 8-3-81
Notice of Intention to Abandon Well		Report of Fracturing	EXPIR. DATE

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 28

19 81

Following is a { notice of intention to do work } on land { owned } described as follows:  
report of work done { leased }

LEASE Buckles "A"

MONTANA  
(State)Roosevelt  
(County)E. Ponlar  
(Field)

Well No. 2 22 T28N R51E MPM  
(m. sec.) (Township) (Range) (Meridian)

The well is located 660 ft. from N line and 1980 ft. from W line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground ~~XXXX~~ above the sea level is 2089

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK  
RESULTCores Required if Taken  
NO drill cutting samples required

1. Drill 12 1/2" hole to + 1200'. Set 8 5/8", 24#, K-55 casing @ + 1200' and circulate cement back to surface.
2. Drill 7 7/8" hole to + 6000'. Run OH logs, DST as warranted.
3. Set 5 1/2", 15.5# & 17#, K-55 casing @ + 6000', cement with + 700 sx to bring cement top above Dakota.
4. Complete as a single oil well in Charles "C" formation.

MAR02-0743

FILING WITH THE COMMISSION ALL LOGS,  
REPORTS, SURVEYS AND ANALYSES MADE  
OR RUN IS REQUIRED IN ACCORDANCE WITH  
RULE NO. 230.

SALTWATER PITS SHALL BE IMPERMEABLE

Approved subject to conditions on reverse of form

Date MAY 5 1981

ORIGINAL SIGNED BY

By CHARLES G. BLAND, Petroleum Geologist  
District Office Agent

Title

Company Texas Oil &amp; Gas Corp.

By Leo A. Heath

Title District Engineer

2705 Montana Avenue

Address Suite 300

Billings, MT 59101

BOARD USE ONLY  
API WELL NUMBER

NOTE:—Reports on this form to be submitted to the appropriate Dist

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS  
APPROVAL IF WELL NOT SPUDDOED OR EXTENSION REI

OVER

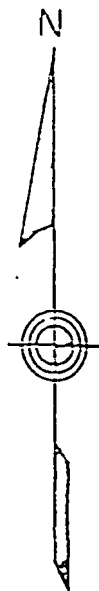
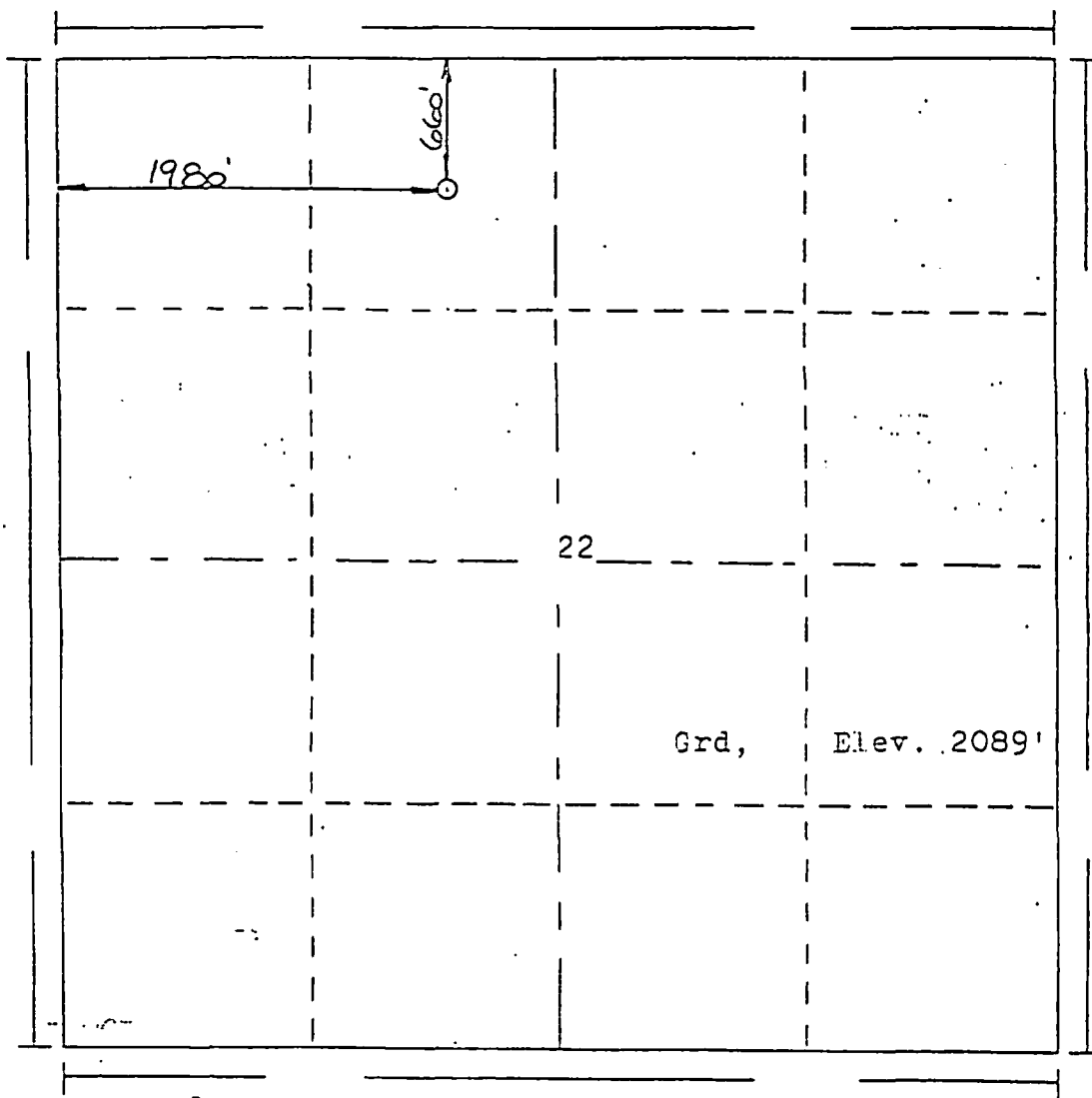
MAR-743





FORM F-106

R. 51E



T. 28N

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado  
has in accordance with a request from Charlie Curlee  
for Texas Oil & Gas Corp.  
determined the location of Buckles A#2  
to be 660fN 1980fW. Section 22 Township 28N  
Range 51E of the Montana principal Meridian  
Roosevelt County, Montana

I hereby certify that this plat is an  
accurate representation of a correct  
survey showing the location of  
Buckles A # 2

MAR02-0744

Date: 3 Feb. 81

*T. T. Curlee*  
\_\_\_\_\_  
Licensed Land Surveyor No.  
State of Montana

2134S.

MAR-744

Exhibit 2  
Survey Plat

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Contract No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Texas Oil &amp; Gas Corp.

## 3. ADDRESS OF OPERATOR

Suite 300, 2705 Montana Avenue, Billings, Montana 59102

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FNL, 1980' FWL

At proposed prod. zone

660' FNL, 1980' FWL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 6 miles NNE of Poplar, Montana

Billings, Montana

15. DIST.  
LOC.  
PRO.  
(Alt.)

1. Reserve pit will be lined.

18. DIST.  
TO  
OR A

2. In case of a dry hole, all restoration will be completed within sixty (60) days after abandonment.

21. ELEV.  
21

3. In case of production, all disturbed areas not needed for production will be restored within sixty (60) days after production starts.

## 23. SIZE

4. Topsoil (6"-8") will be piled separately and not used for any other purposes.

5. Access road will be from the south from Buckles A-1 site.

6. Archeological clearance is not needed in this area.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ron Becker

TITLE

Project Manager

DATE

3/31/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Marilyn Pederson

TITLE

(ORIG. SGD.) M.P. PEDERSON

DATE

4-20-81

CONDITIONS OF APPROVAL, IF ANY: SEE ATTACHED

Petroleum Engineer

ANY FLARING OR VENTING OF  
GAS SUBJECT TO NTL 4-A  
DATED 1/1/80

MAR02-0745

MAR-745

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company \_\_\_\_\_ Well No. \_\_\_\_\_

Location \_\_\_\_\_ Lease No. \_\_\_\_\_

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended for more than 30 days, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Engineer must be notified at least 48 hours in advance of the plugging of the well, in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a

follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the District Engineer within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Engineer's office on a frequency and form or method as may be acceptable to the District Engineer.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed in duplicate directly with the U. S. Geological Survey Area office, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Engineer. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6 and prior approval by the District Engineer.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify this office and the Surface Management Agency at least 24 hours prior to commencing field operations to allow this office and/or the Surface Management Agency office to have personnel present for consultation during the construction of roads and locations.

The Surface Management Agency contact is: \_\_\_\_\_  
Office Phone: \_\_\_\_\_, Home Phone: \_\_\_\_\_  
City: \_\_\_\_\_, State: \_\_\_\_\_

The U. S. Geological Survey District office address and contacts are:

Address: Conservation Division, P.O. Box 2550, Billings, MT 59103

Office Phone: 657-6367

District Engineer Thomas P. Richmond

Home Phone: 656-0357

Asst. Dist. Engineer \_\_\_\_\_

Home Phone: \_\_\_\_\_

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed for prior approval of the District Engineer, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-28 requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Engineer's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact the Surface Management Agency 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, future operations will require a new application be filed for approval.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.

12. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MAR02-0748

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL FOR WELL ABANDONMENT

Company \_\_\_\_\_ Location \_\_\_\_\_

Well No. \_\_\_\_\_ Lease No. \_\_\_\_\_

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

1. This office should be notified sufficiently in advance of actual plugging work so that a representative may have an opportunity to witness the operation.
2. Upon completion of approved plugging, erect the regulation marker in accordance with 30 CFR 221.22 and clean up the location. The marker should not be less than 4 inches in diameter and extend approximately 4 feet above general ground level. Heap up the dirt around the base of the marker about 18 inches to take care of any settling of the cellar. The top of the marker must be closed or capped. Pits must be fenced unless approved otherwise by the District Engineer.
3. The following minimum information shall be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:  
  
"Fed" or "Ind", as applicable.  
"Well number, location by  $\frac{1}{4}$   $\frac{1}{4}$  section, township and range."
4. Within 15 days after well bore plugging operations are completed, form 9-331 (Subsequent Report of Abandonment) must be filed showing location of plugs, amount of cement in each, amount of casing left in hole, and status of surface restoration. If a temporary delay in removal of equipment or surface cleanup is deemed necessary and acceptable to this office, so note on this report and notify this office when such work has been completed to your satisfaction. This final abandonment report will not be approved until a physical inspection by this office and the surface management agency finds the well site in satisfactory condition.
5. If not previously filed, submit in duplicate Well Completion or Recompletion Report and Log (form 9-330), well history, electric logs, and other surveys, and if taken, core analysis and water analysis. These reports must also be filed within 15 days after completion of plugging operations.

MAR-749

MAR02-0749

6. You or your authorized representative should inspect the abandoned location prior to notification to this office by form 9-331 that it is ready for inspection, and note especially:

- (a) That the regulation dry-hole marker bears the correct legend as required in item 3.
- (b) That rathole and mousehole are filled, not just bridged, and pits are filled and leveled.
- (c) That all material and junk are gone. This includes deadmen protruding above the level ground surface.
- (d) That reseeding or other required restoration work has been completed.

7. The U.S. Geological Survey district office address is:

Conservation Division, P.O. Box 2550, Billings, MT 59103

	Phone	657-6367
Dist. Engr. Thomas P. Richmond	Home Phone	656-0357
Asst. Engr.	Home Phone	

8. The BLM contact man is:

Phone (home)  
Phone (office)

MAR02-0750

MAR-750

## TEXAS OIL &amp; GAS CORP.

TEXAS OIL & GAS CORP.  
BILLINGS DISTRICT

## Inter-Office Memorandum

APR 22 1981

Date: April 20, 1981

To: Well File

From: C.K. Curlee

Re: Buckles "A" #2  
Section 22-T28N-R51E  
Roosevelt County, Montana

On 15 April 1981, a joint on-site inspection was performed for the above-mentioned well location. In attendance were the following:

Warren Korinek	USGS Billings, Environmental Scientist
Ernie Morton	BIA Ft. Peck, Surface Protectionist
George Ricker	BIA Ft. Peck, Land Compliance
Mike Perius	TXO Billings, Drilling Foreman
C.K. Curlee	TXO Denver, Environmental Administrator

The following items summarize the major point of discussion during the on-site inspection.

- 1) Access to the well location will be via the alternative access road identified in Exhibit 5 of the APD. This access proceeds from the Buckles "A" #1 location north to the "A" #2 location.
- 2) Spoil material from the reserve pit will be stockpiled on the east or north side of the pit. Salt water tanks will be placed on a bench made from the spoils from the reserve pit. (This is similar to the operation at the Buckles "A" #1.)
- 3) Archeological clearance is based on an earlier BIA environmental inspection of the agricultural field. The BIA will indicate clearance in their stipulations.
- 4) USGS considers the well an extension of the East Poplar field. Therefore, no environmental assessment or plan of mineral development to support an environmental assessment will be required. NEPA compliance is via the check off CER procedures.
- 5) Morton mentioned that the rehabilitation requirements of this well will be different than those for the Buckles "A" #1. The BIA and the Ft. Peck Tribal Council have initiated rehabilitation procedures requiring pumping of reserve pits, backfilling and recontouring within 60 days after completion of operations.
- 6) The reserve pit will be lined with a plastic liner. As in No. 5, this is a new stipulation via Tribal Council order. The liner should be ripped prior to backfilling.
- 7) USGS recommended following OSHA specifications for distances between various production facilities.

At the close of the on-site inspection, the USGS representative indicated that his paperwork would be completed within five days pending stipulations from the BIA. Potential outstanding requirements for well clearance were discussed, including spacing requirements, Designation of Operator requirements, bonding, and Surface Owner Agreement. Of these, only the Surface Owner Agreement may be deficient.

CKC CKC

MAR-751

CKC/bs  
cc/Len Heath, TXO Billings

MAR02-0751

# APD FILING CHECKSHEET

Well Name: Buckles "A" #2 USGS District: Billings  
 Location: Sec 22-28N-51E BLM District: \_\_\_\_\_  
 County & State: \_\_\_\_\_ Land Status: \_\_\_\_\_

Location Staking Limits: \_\_\_\_\_

## PROCESS ACTIVITIES

		Date Requested/Scheduled	Date Received/Performed
Preliminary Environment Review			
Location Survey (Contr: )			
Archeology Survey (Contr: )			
Joint On-site Inspection			
Designation of Operator/Agent			
ROW Permit (for: )			
Surface Owner Agreement			
Water Permit (type: )			
State APD and Filing Fee			
Spacing Exception			
Federal APD/MSUOP			
Sundry Notice for: <u>operator name change</u>		<u>3-31-81</u>	<u>4-20-81</u>
		<u>9-21-81</u>	

Other: \_\_\_\_\_


Special Stipulations on Approved Permit: \_\_\_\_\_

Drilling & Production Manager Notified of Permit Completion/Requirements: \_\_\_\_\_

Copy of Approved Permit with Stipulations to Dirt Contractor: \_\_\_\_\_

(Contractor: \_\_\_\_\_) Date: \_\_\_\_\_

BLM Notification 24 hours before initiating construction: \_\_\_\_\_

(Contact: \_\_\_\_\_) Date: \_\_\_\_\_

Compliance Status: Inspection Date: \_\_\_\_\_ Staff: \_\_\_\_\_

Compliance Certified: \_\_\_\_\_ Declined: \_\_\_\_\_

MAR-752

MAR02-0752

**GEARHART****DIFFERENTIAL  
TEMPERATURE LOG**

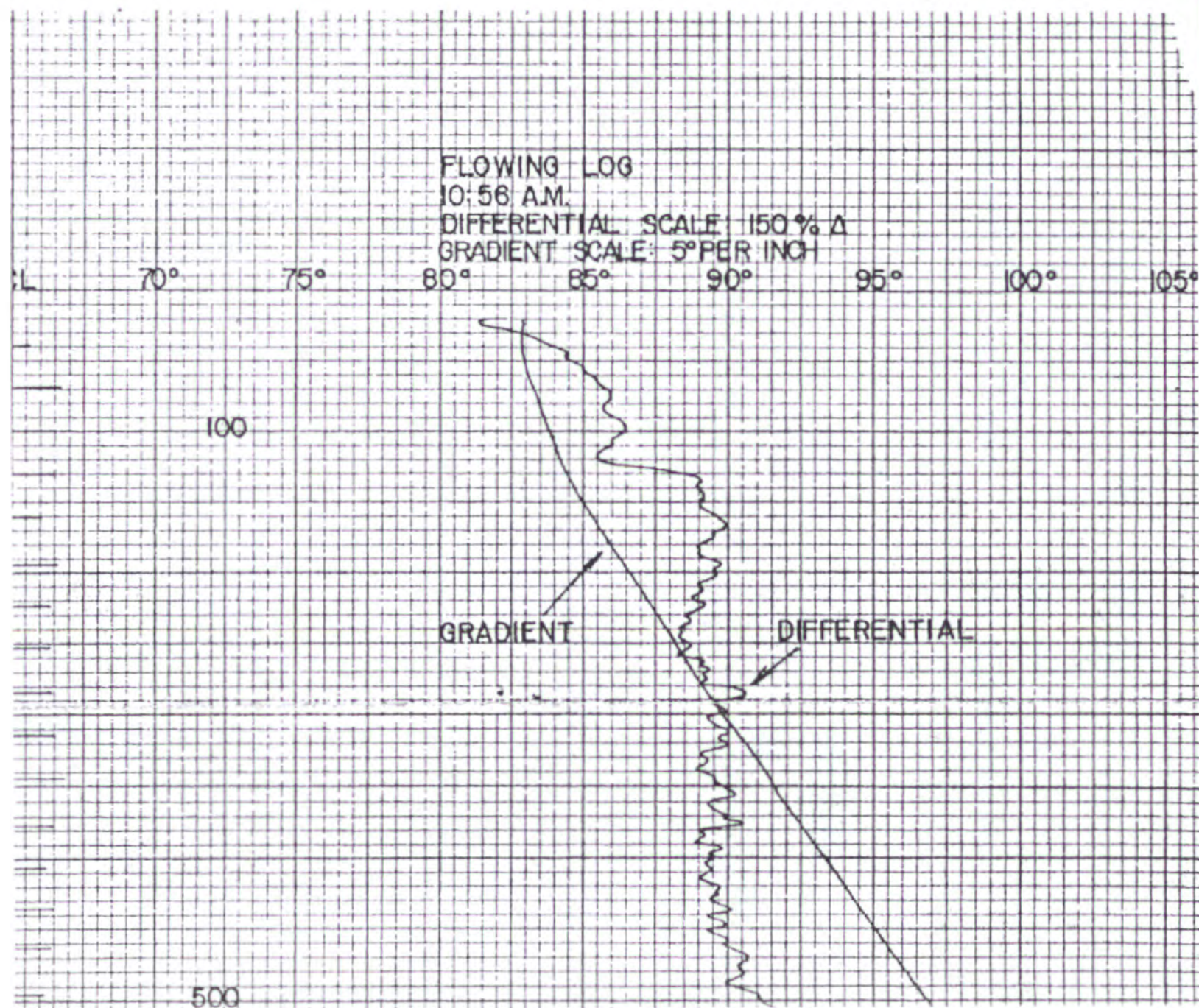
FILING NO.		COMPANY <u>T.X.O. PRODUCTION CORPORATION</u>					
WELL		BUCKLES NO. <u>B-1</u>					
FIELD		EAST POPLAR					
COUNTY		ROOSEVELT				STATE <u>MT</u>	
LOCATION:		SEC <u>22</u> TWP. <u>28N</u> RGE <u>51E</u>				OTHER SERVICES:	
PERMANENT DATUM:		G.L. <u>2106'</u>				ELEV. K.B. <u>2119'</u>	
LOG MEASURED FROM		K.B. <u>13</u> FT. ABOVE PERM. DATUM.				D.F. <u>2118'</u>	
DRILLING MEASURED FROM		K.B.				G.L. <u>2106'</u>	
Date	9-12-81						
Run No.	ONE						
Type Log	DTL						
Depth-Driller	5920'						
Depth-Logger	5815'						
Bottom logged interval	5815'						
Top logged interval	SURFACE						
Type fluid in hole	SALT WATER						
Max rec. temp., deg. F.	217.8°						
Operating rig time	6 HOURS						
Recorded by	GILBERTSON						
Witnessed by	MR. W. DYER						
Bore-Hole Record				Tubing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
				2-3/8"		SURFACE	
Casing Record				Liner			
Size	Wgt.	From	To	Size	Wgt.	From	To
1-1/2"		SURFACE	TD				

FORM 110-H

**MAR-831****MAR02-1028**

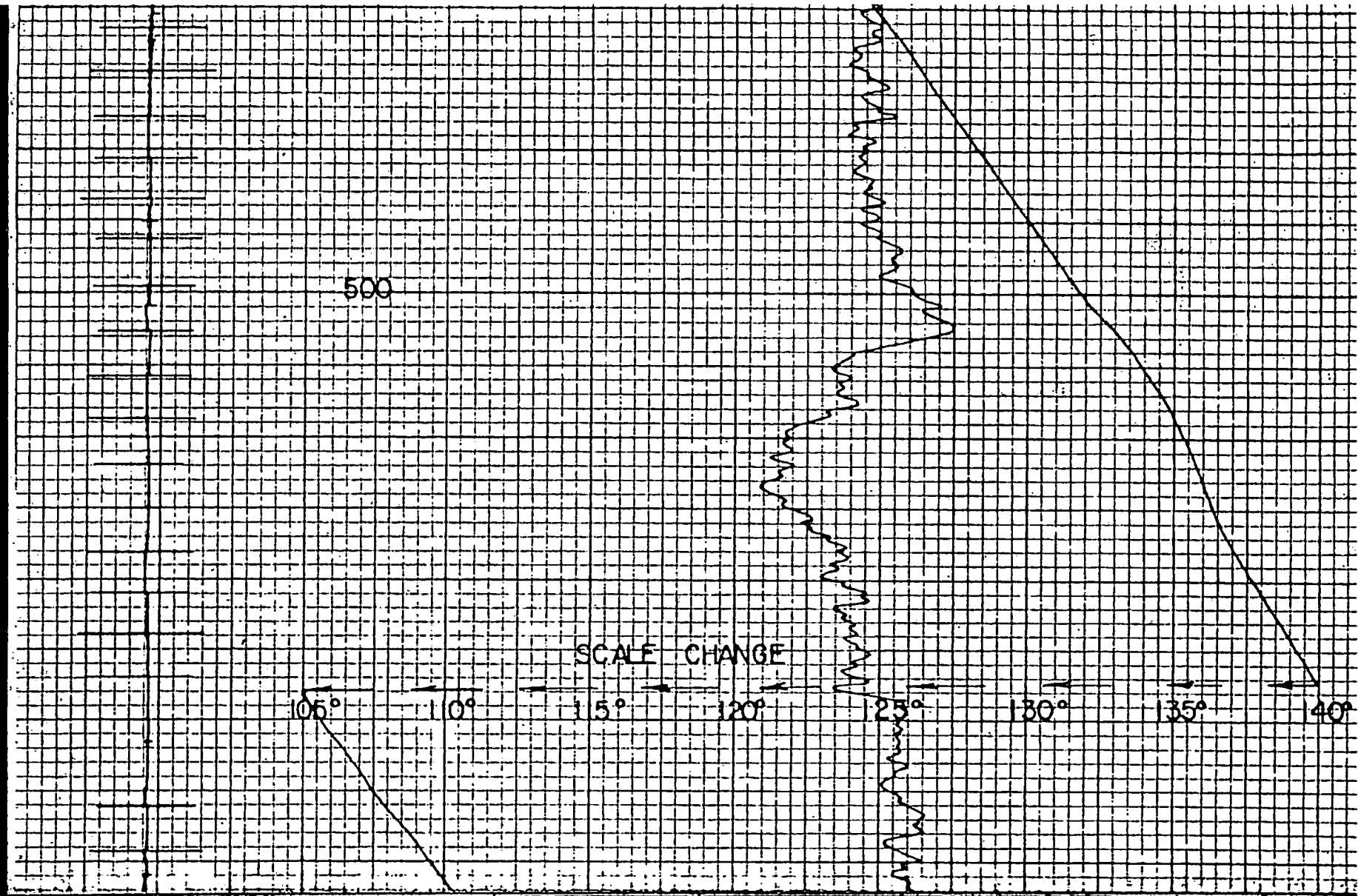
ICE: All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by one of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

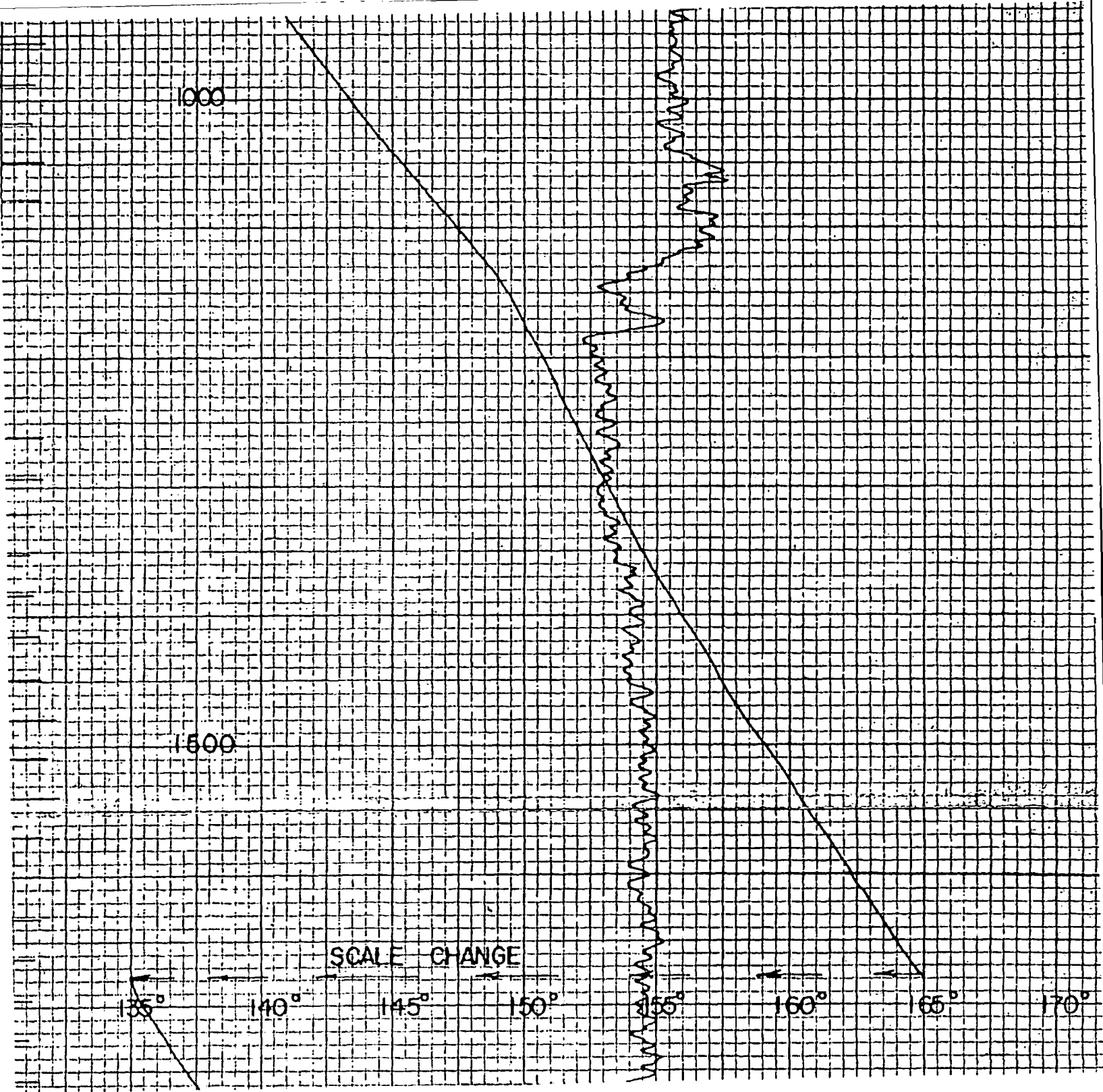
GEARHART INDUSTRIES, INC.



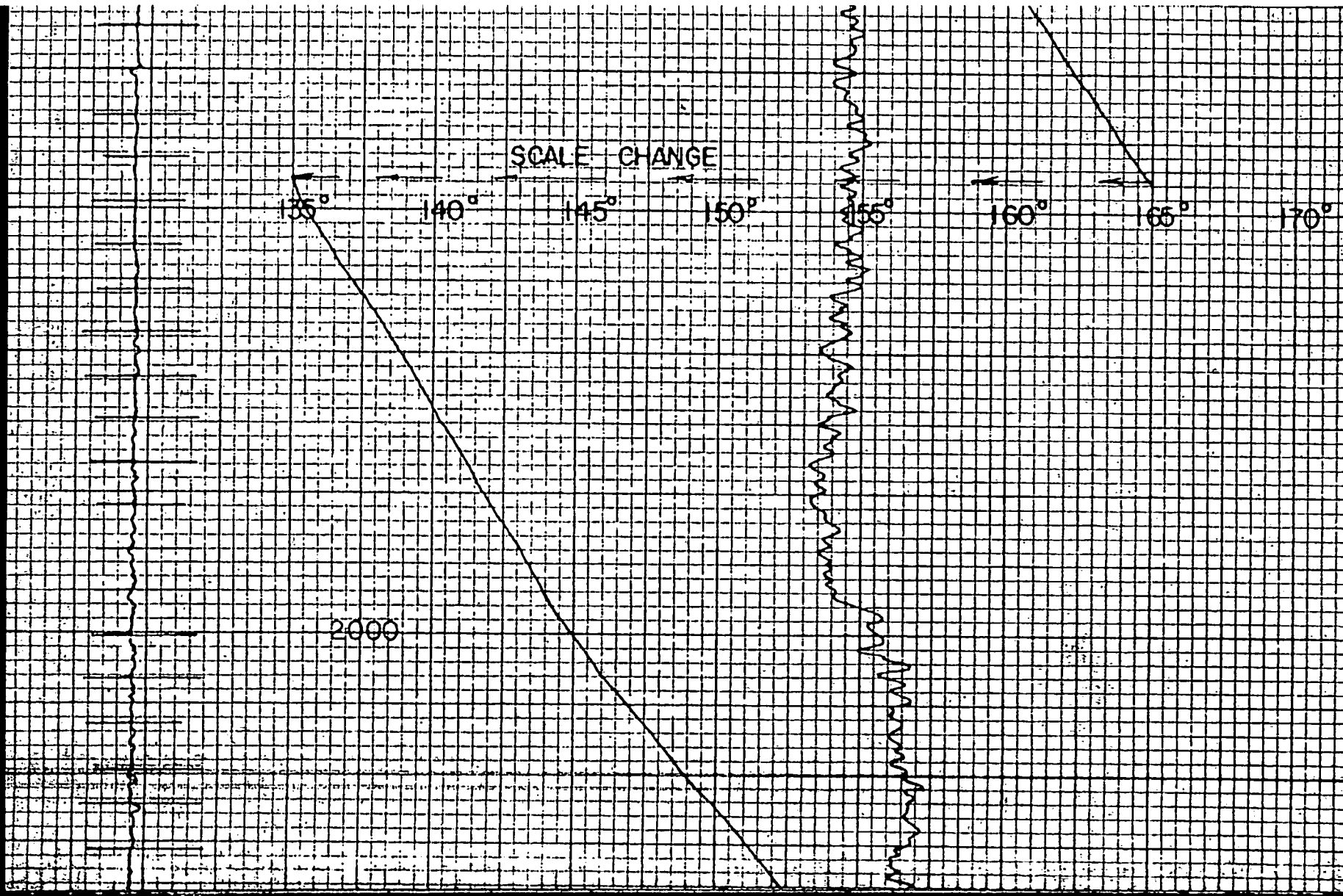
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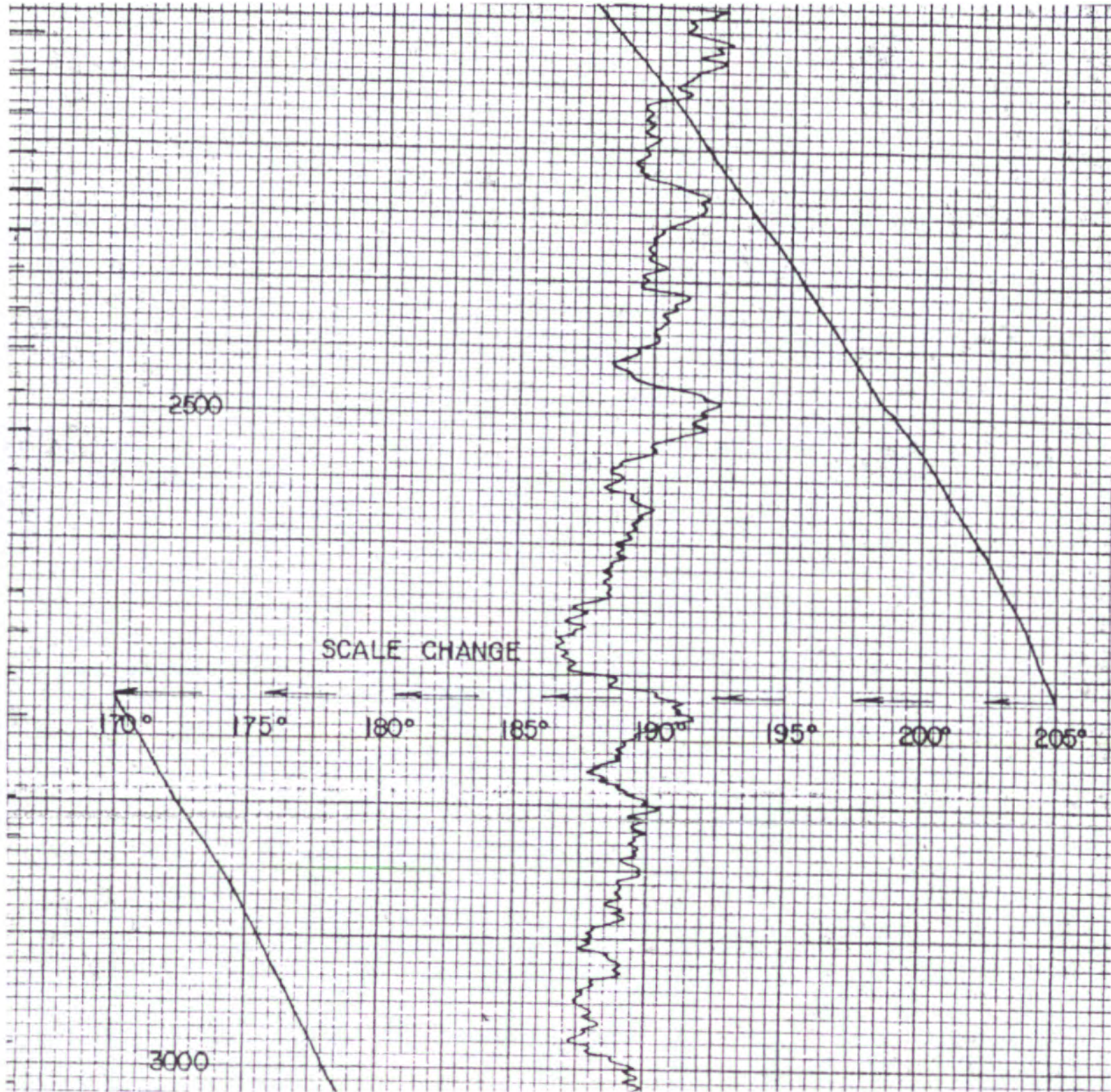
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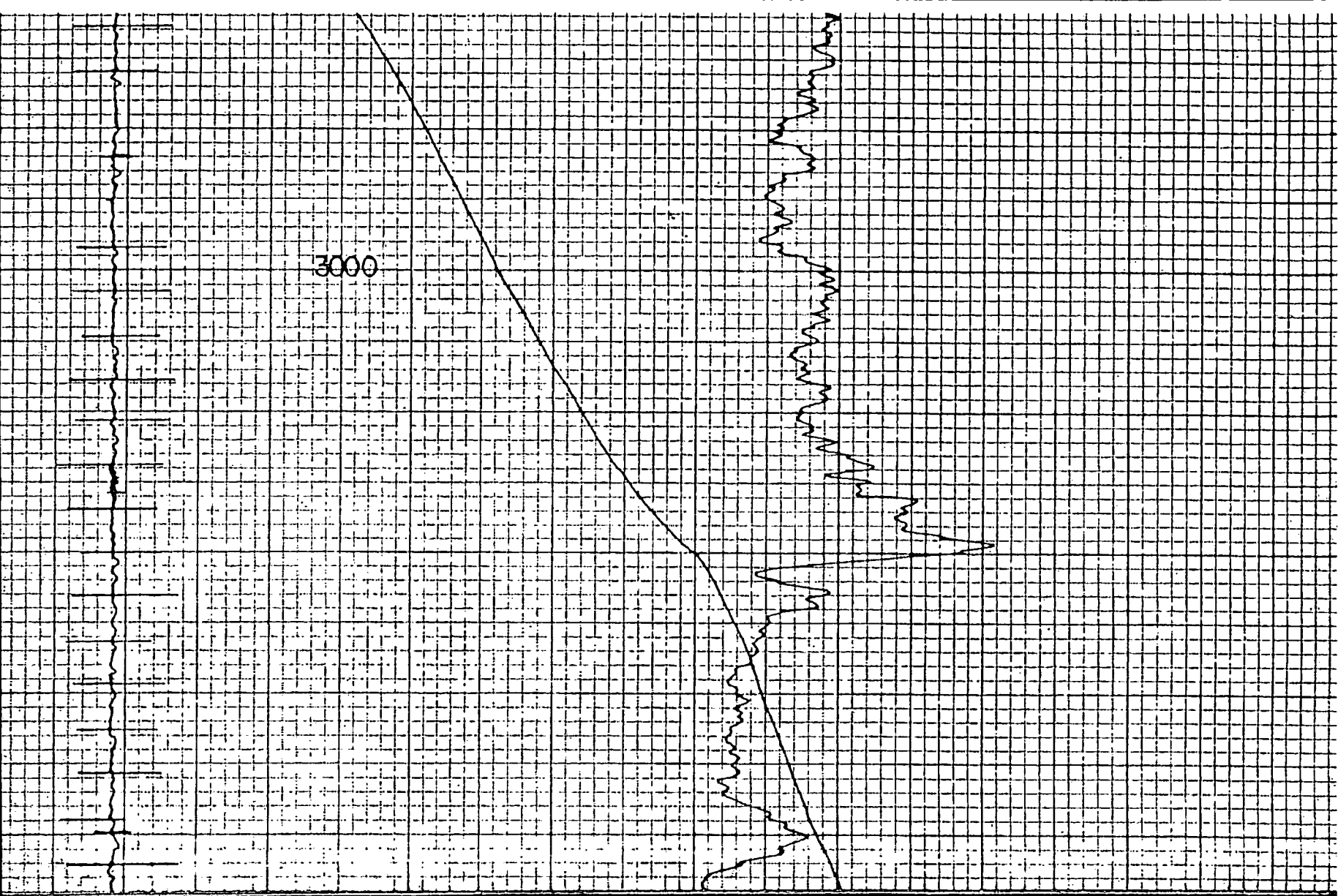


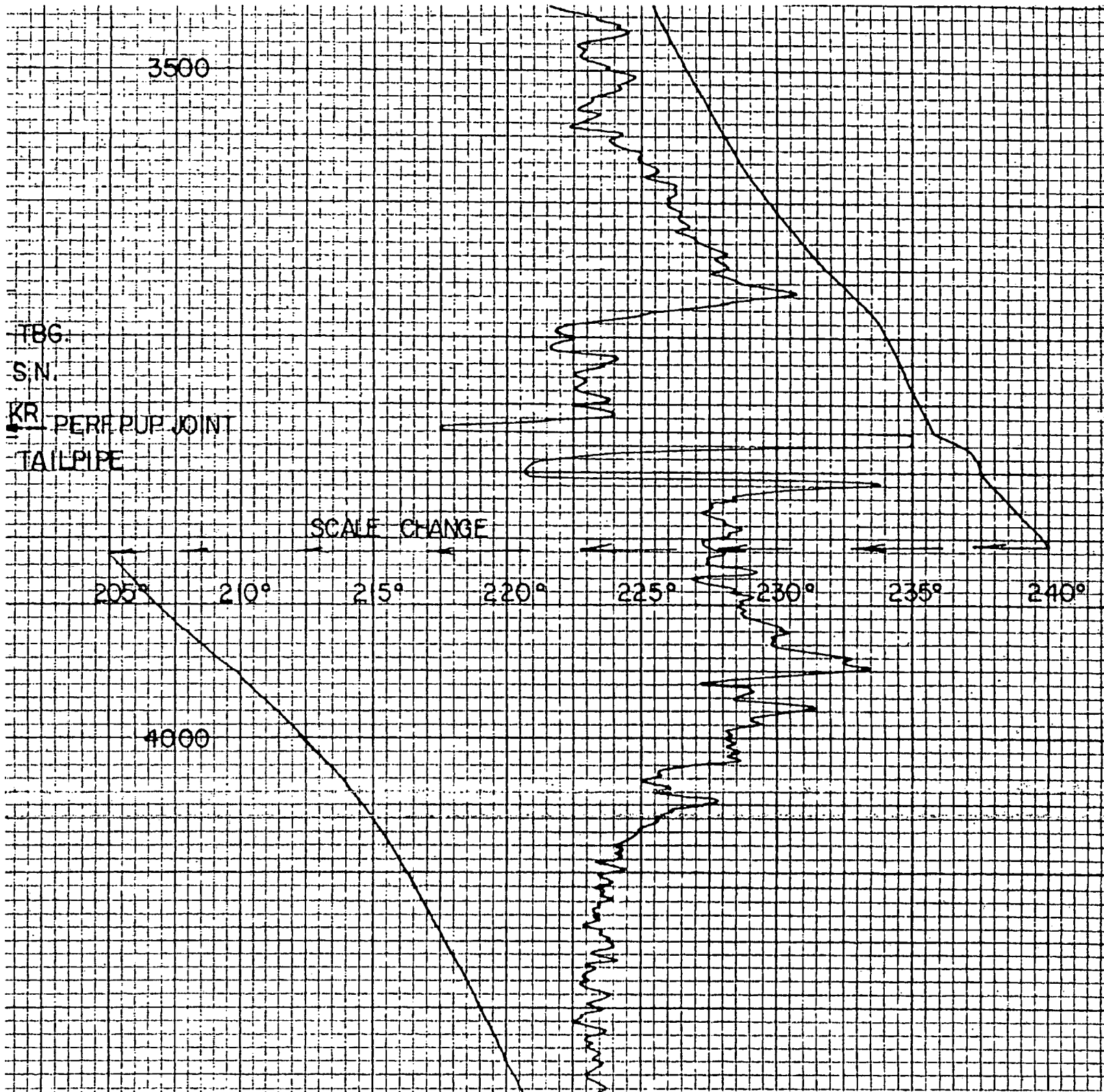
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MAR02-1034





4500

MAR02-1036

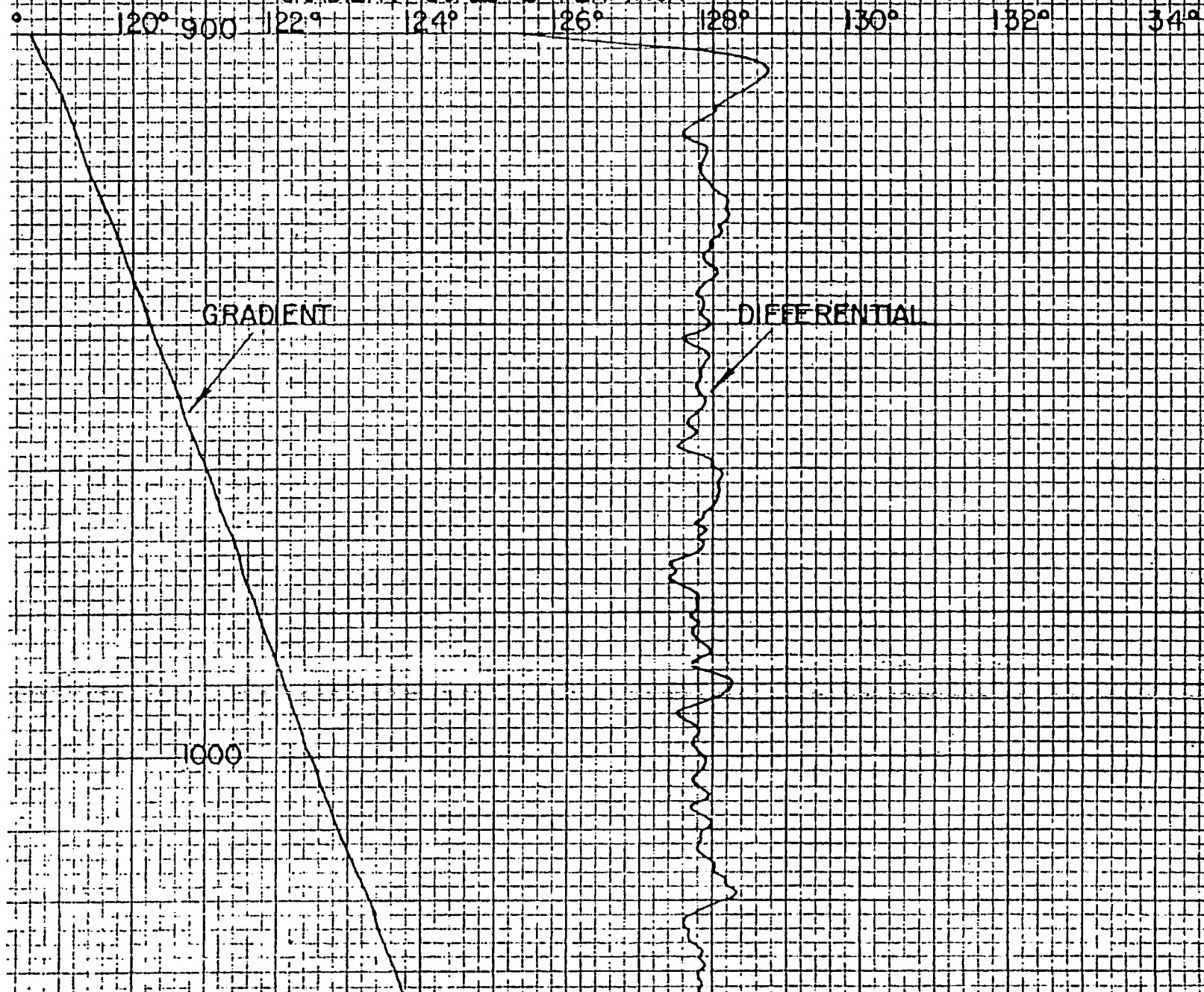


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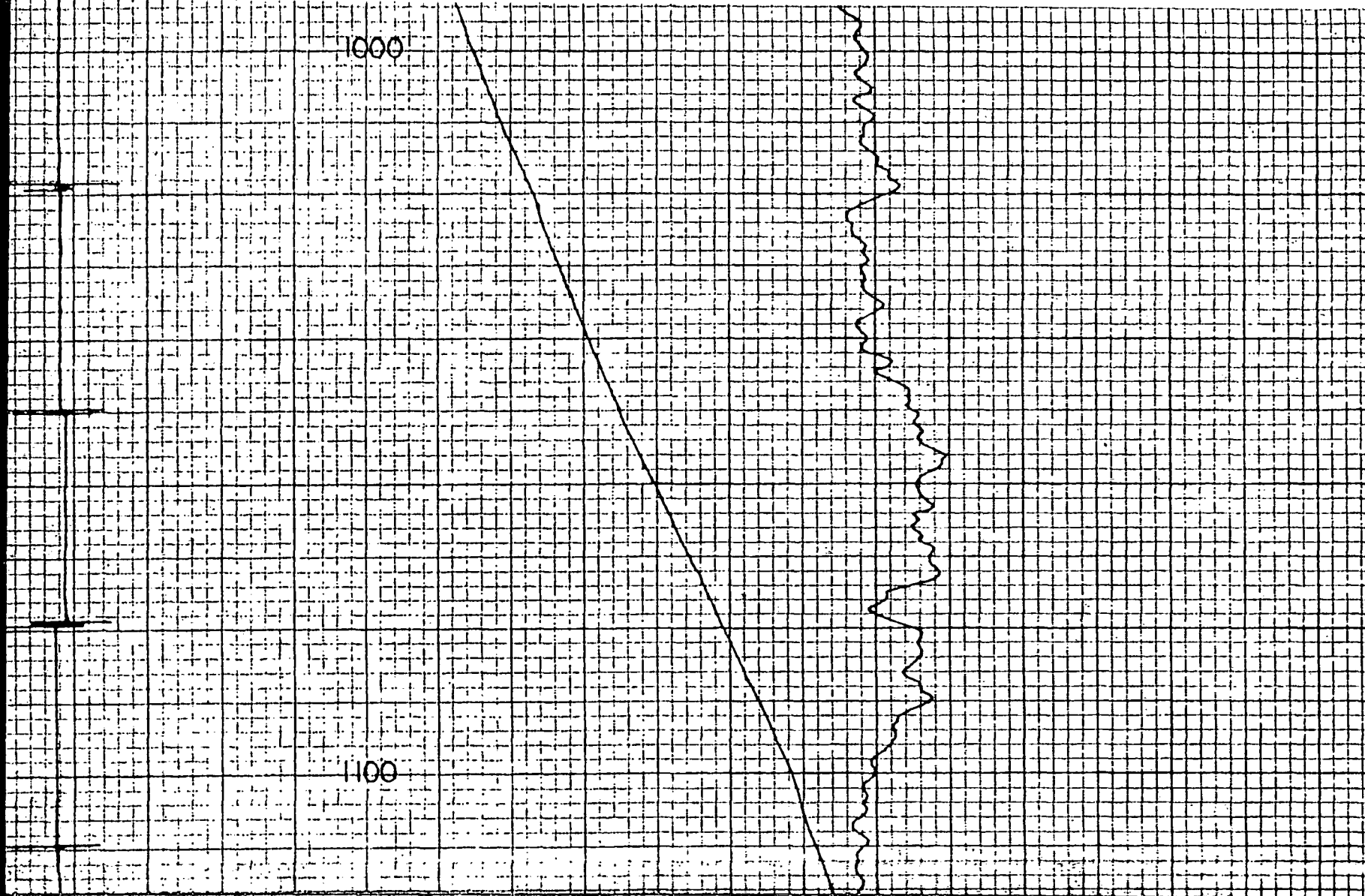
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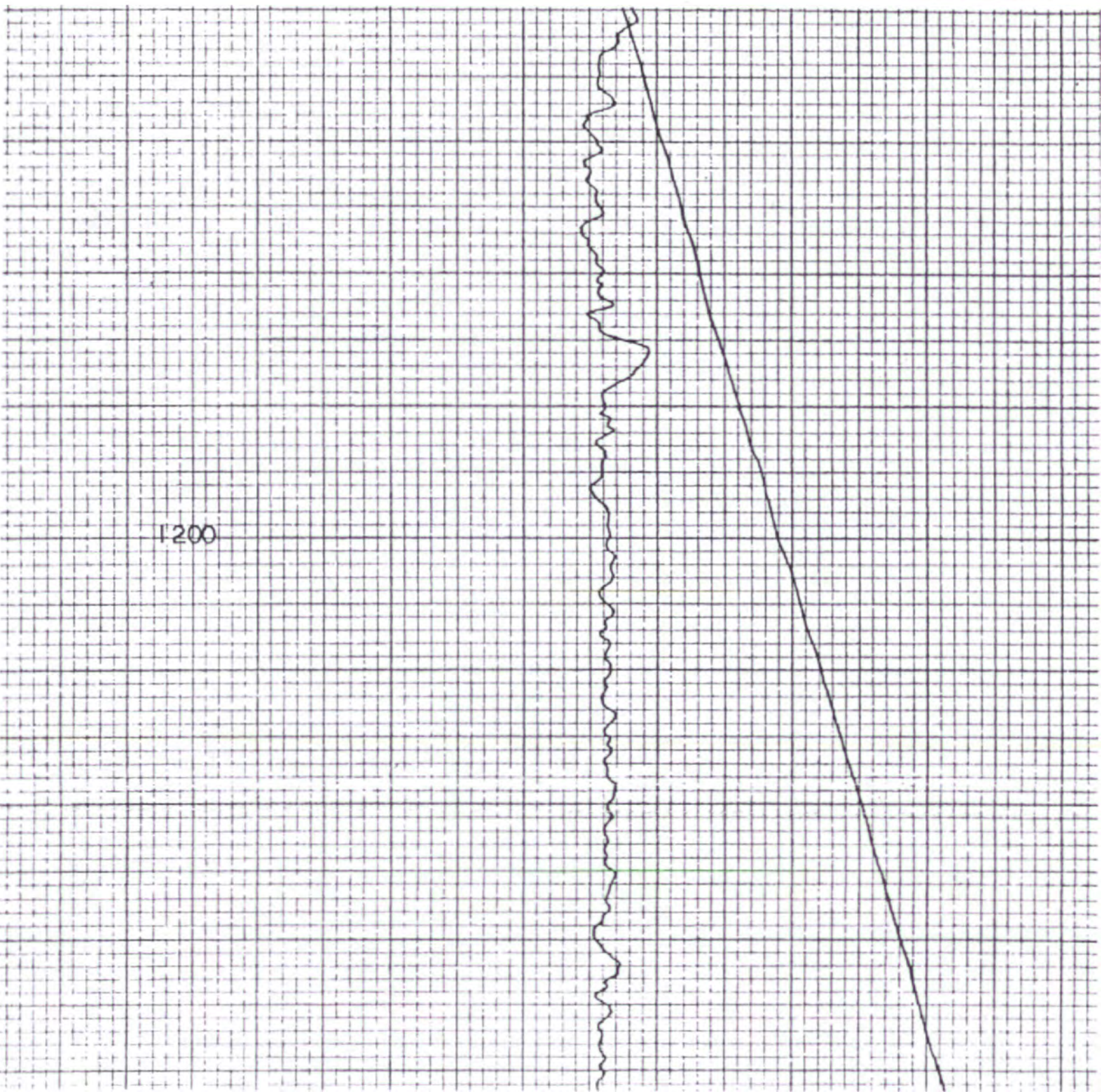
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GRADIENT SCALE: 2° PER INCH



MAR02-1039



MAR02-1040



I200

1300

T.D. 1306'

FLOWING LOG

12:19 P.M.

DIFFERENTIAL SENS. 200% Δ

GRADIENT SCALE 2° PER INCH

CCL

188° 3000

188°

190°

192°

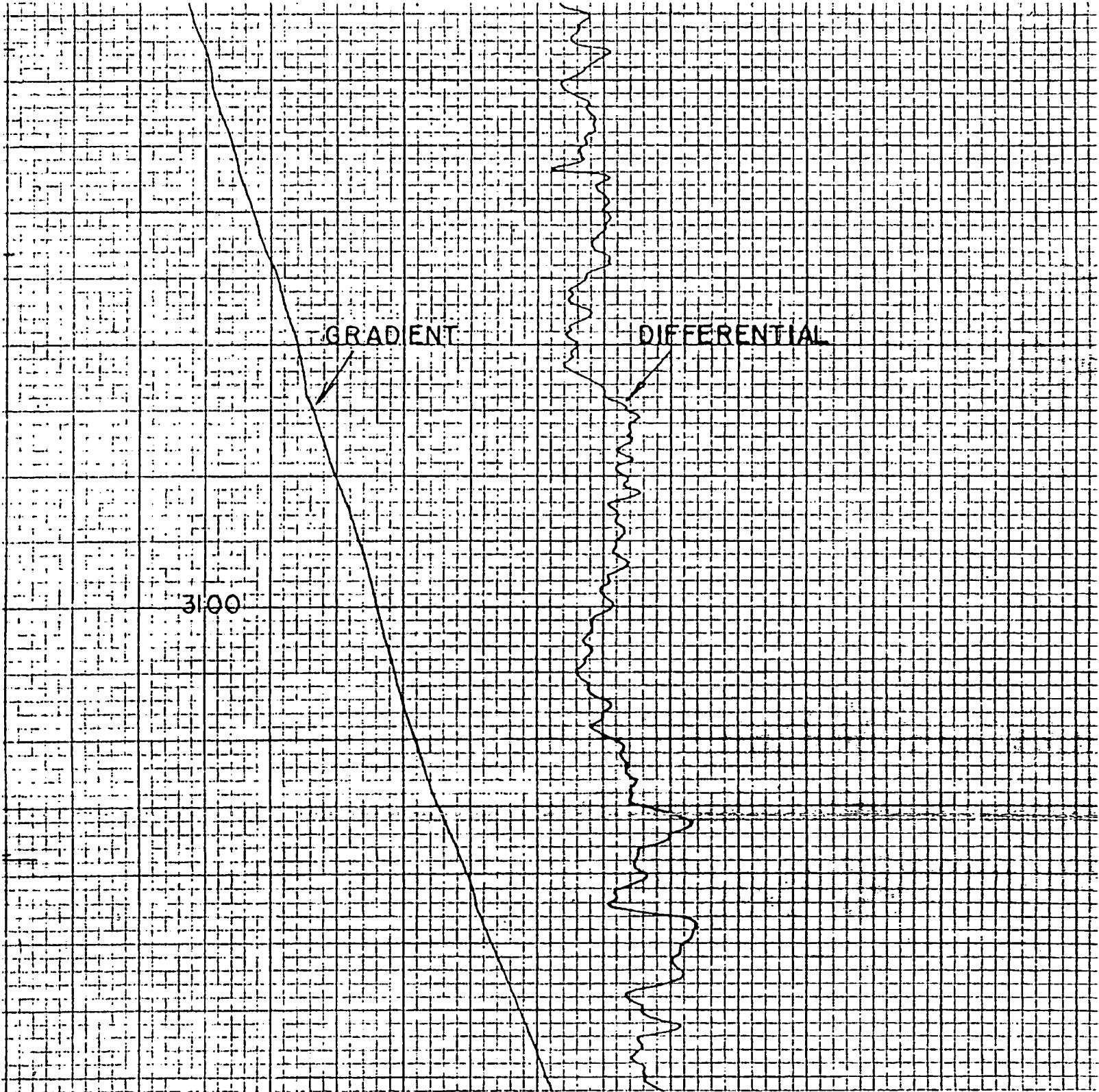
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196°

198°

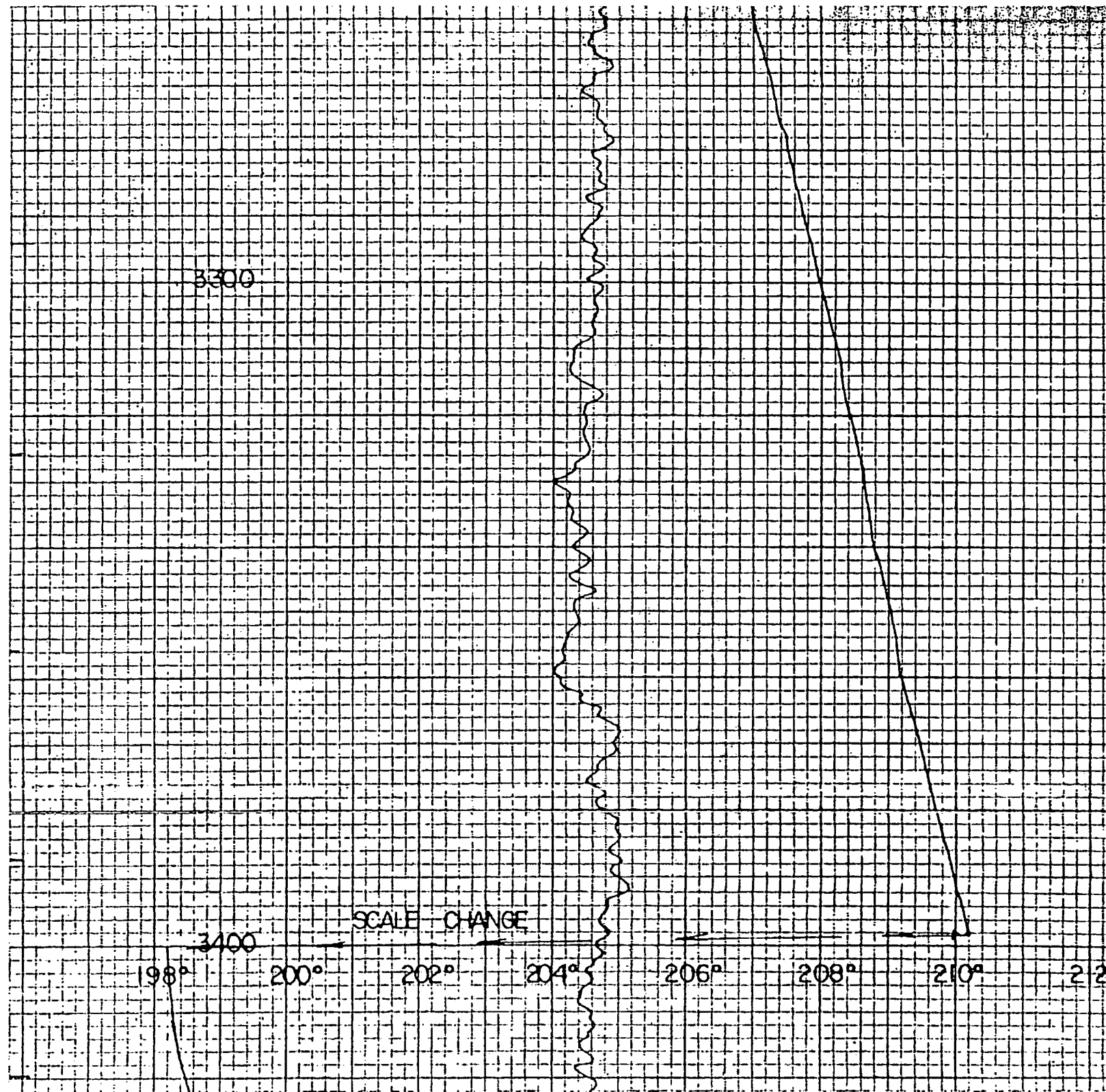
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MAR02-1042

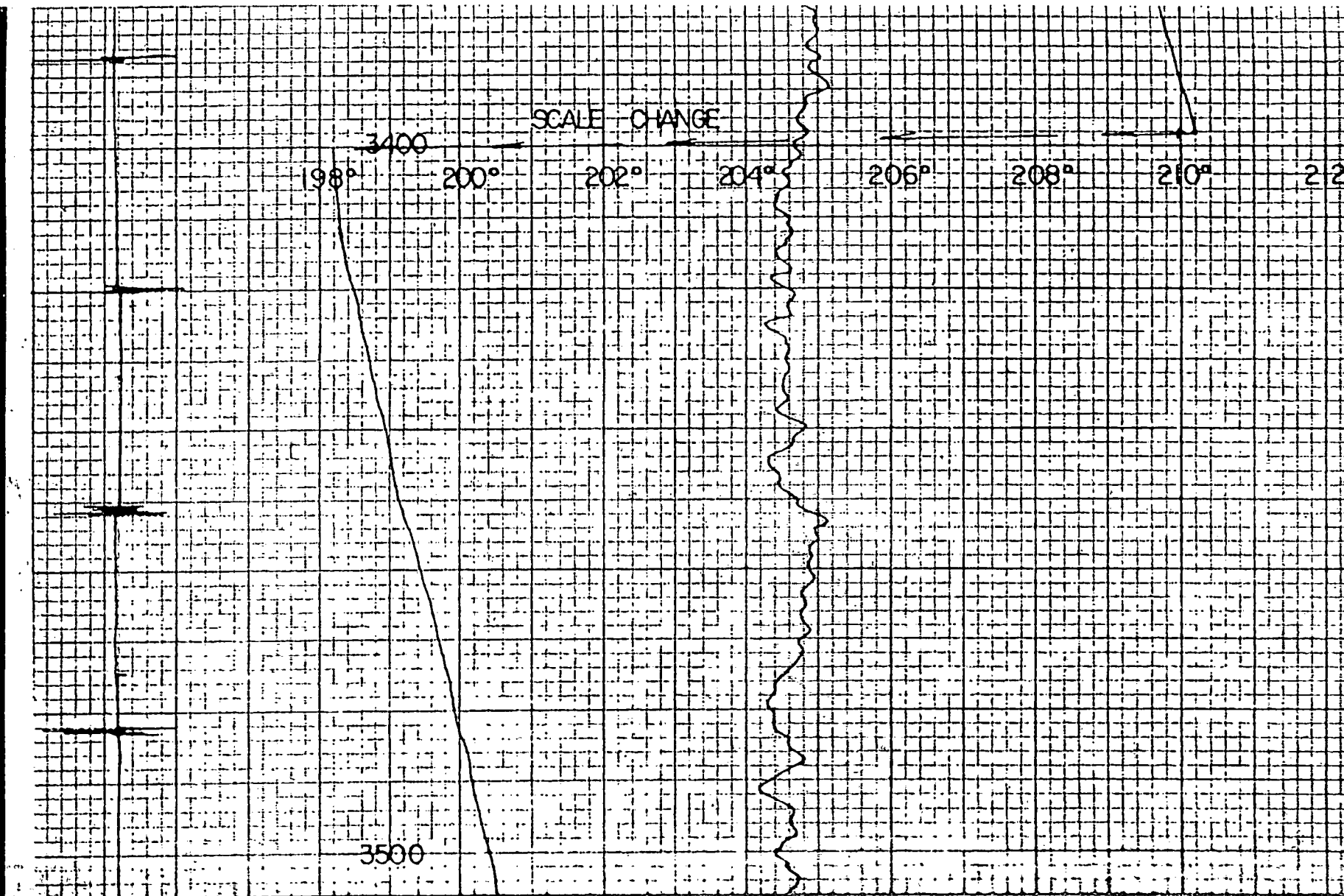


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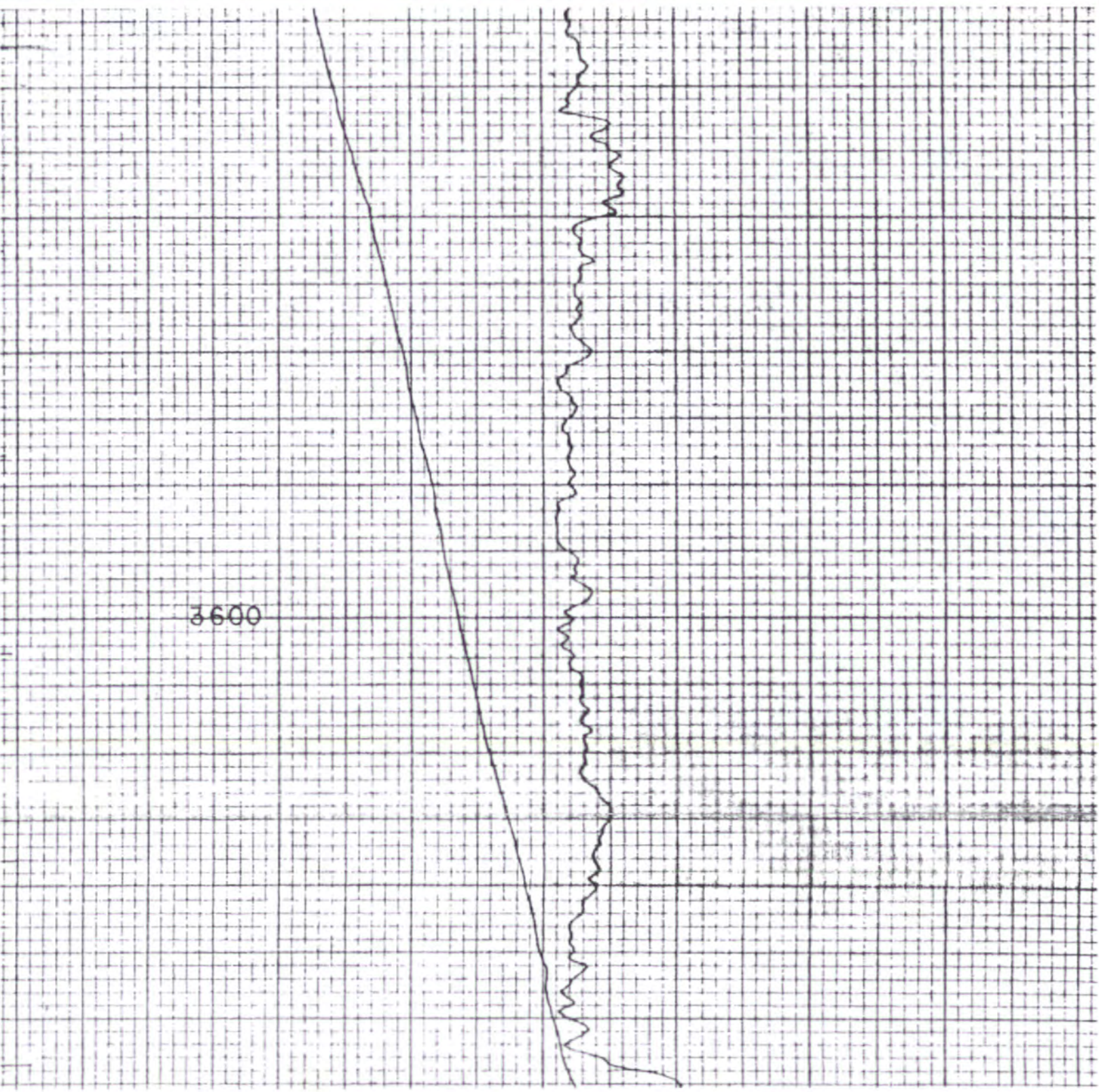
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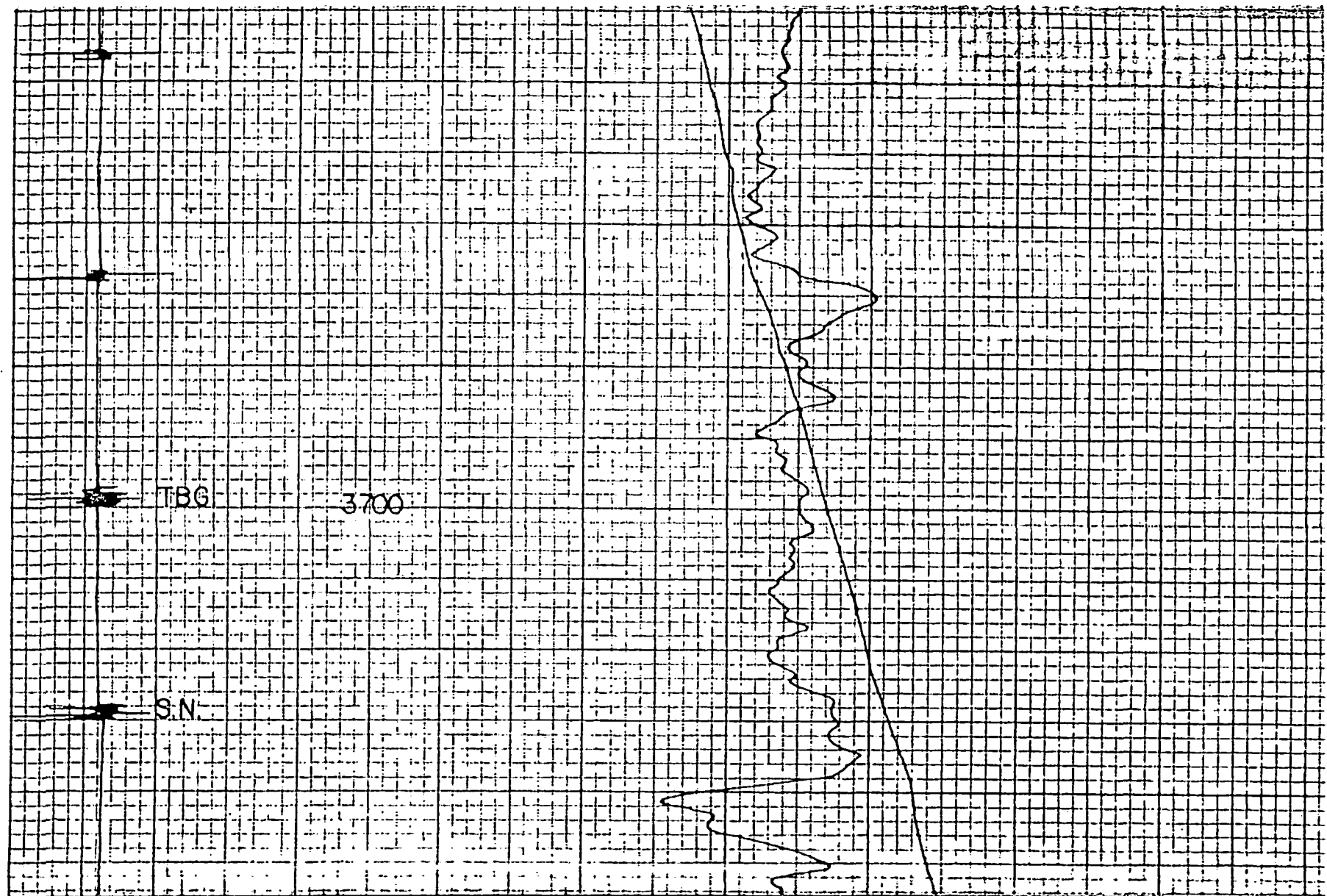


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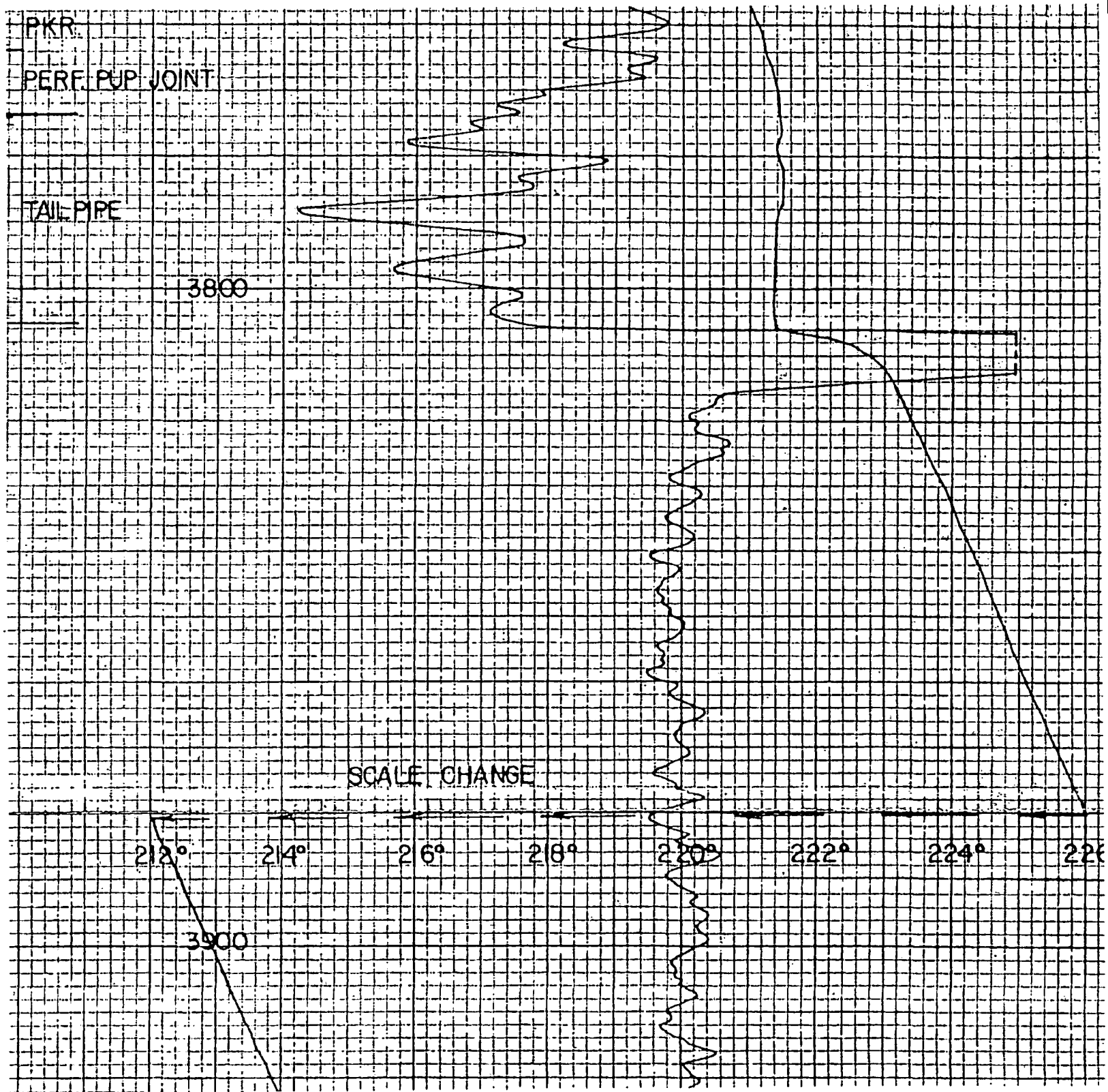


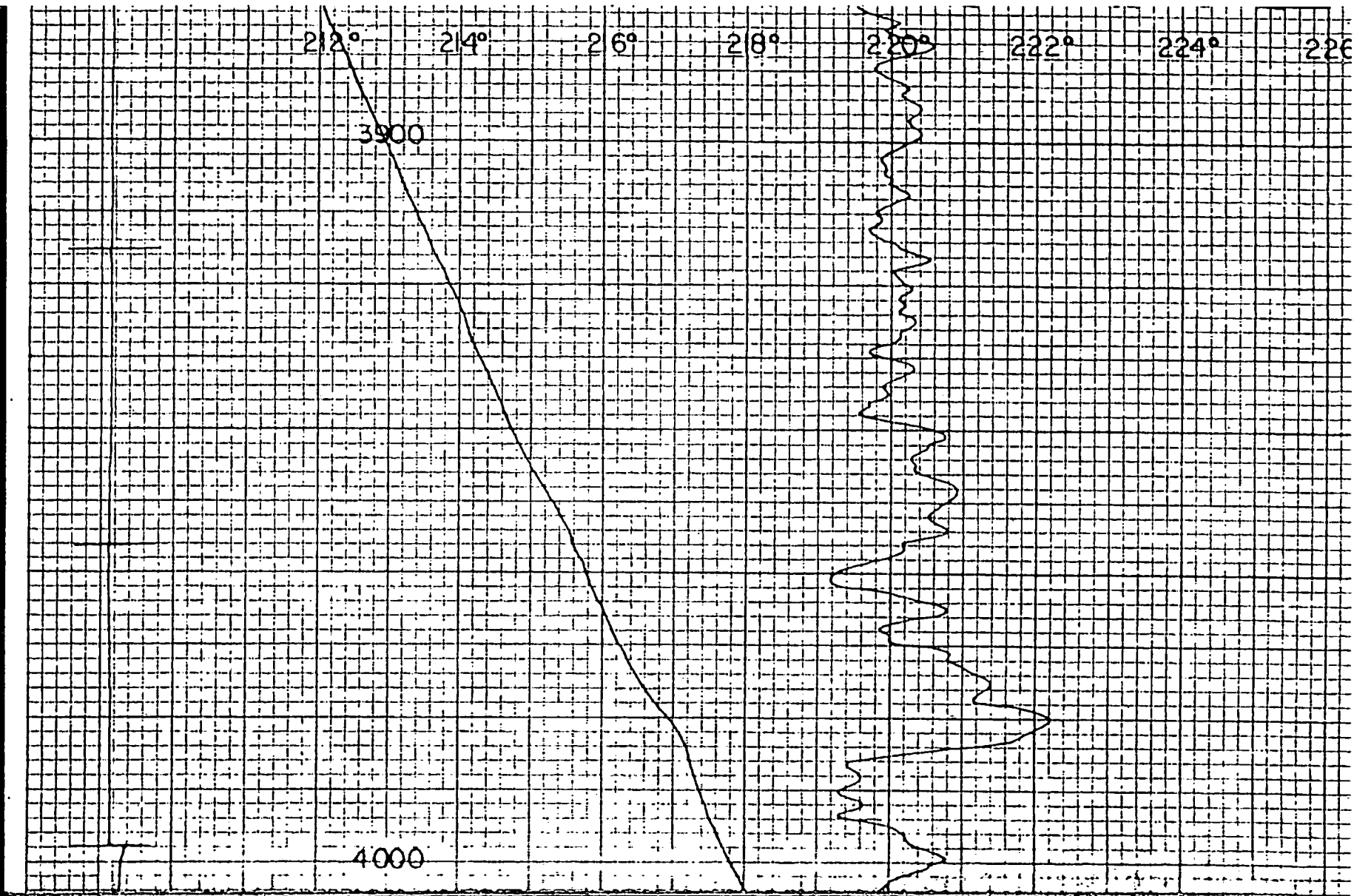
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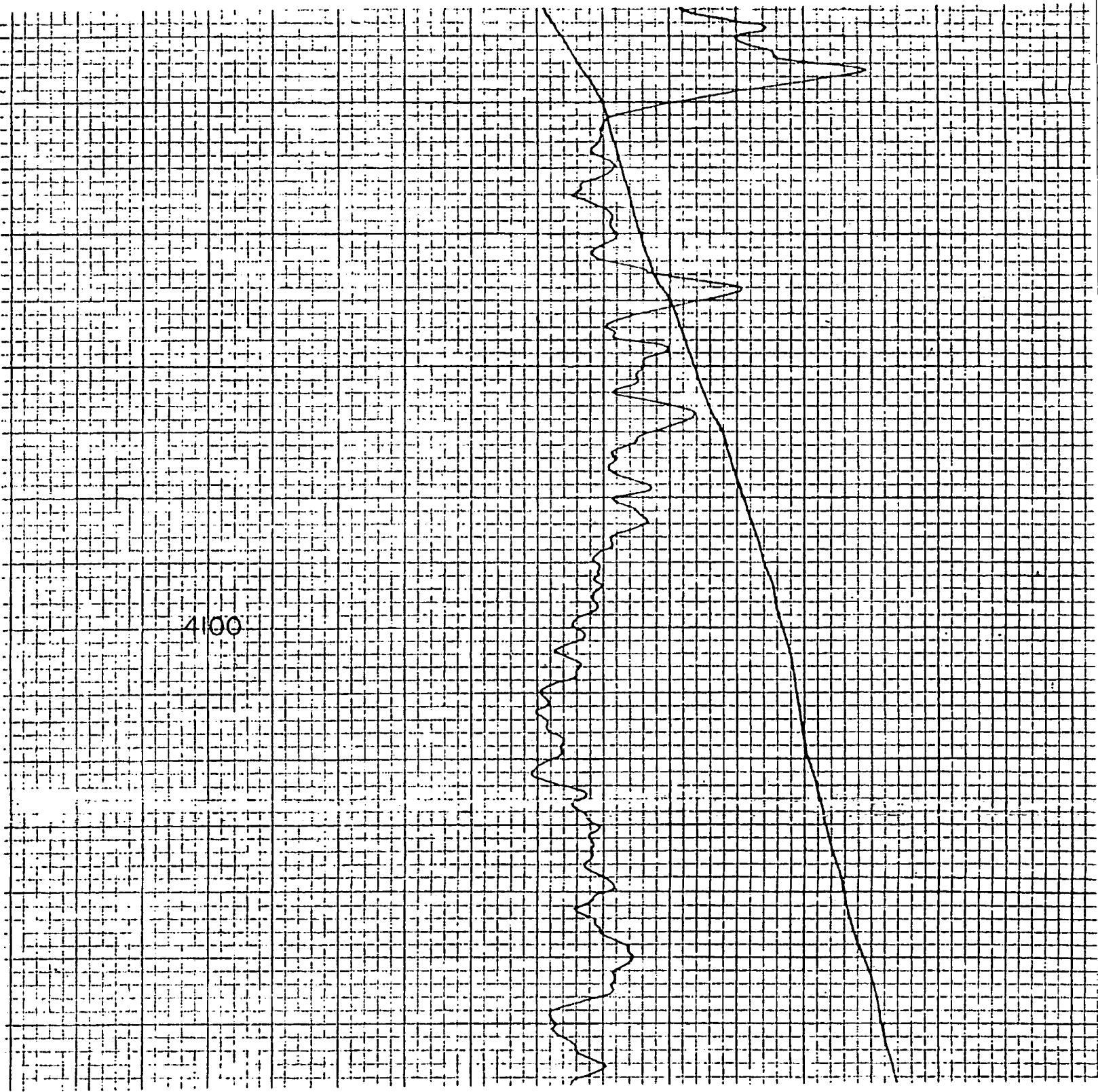


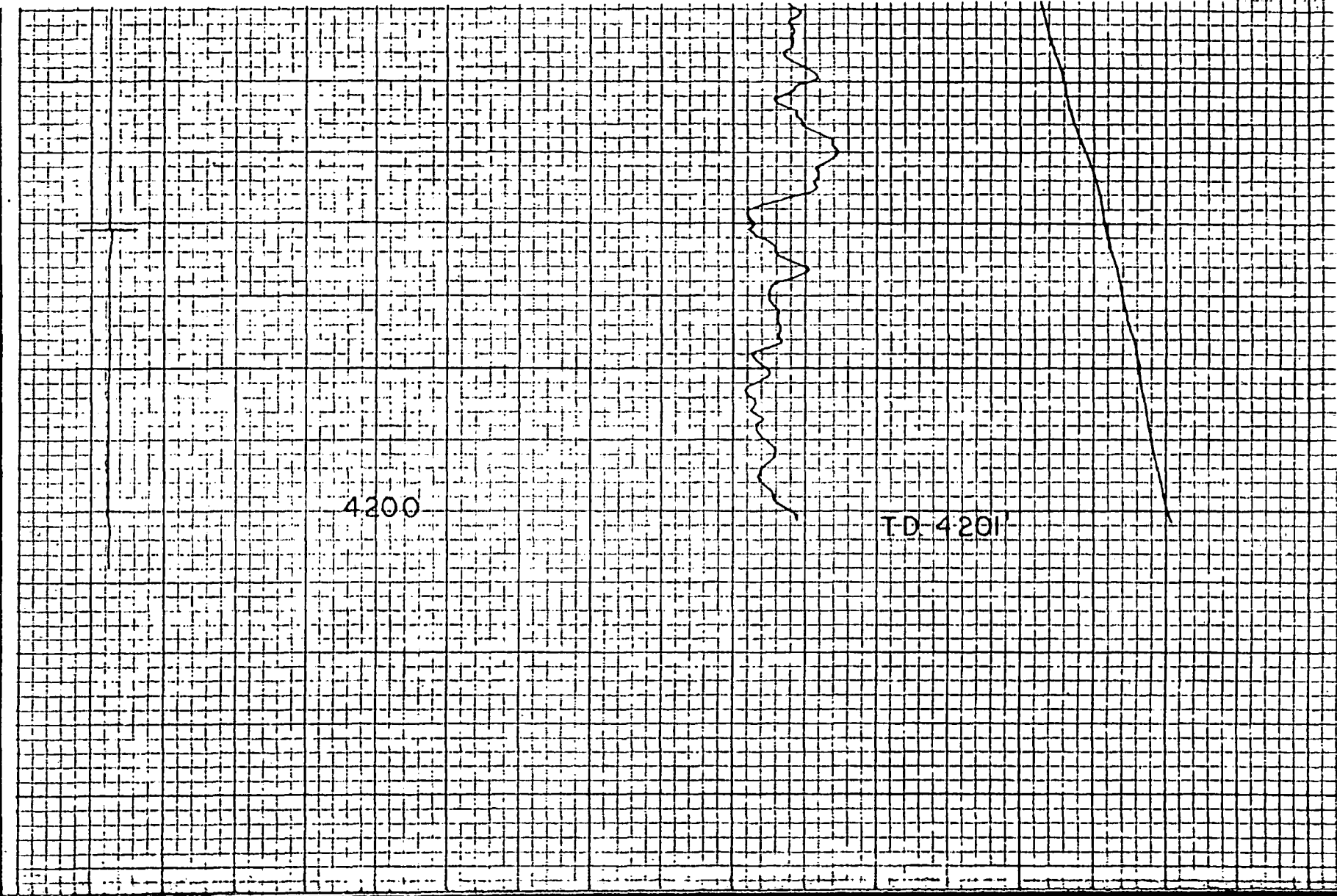
MAR02-1048





MAR02-1050





MAR02-1052

FLOWING LOG

1:58 P.M.

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GRADIENT SCALE: 2° PER INCH

GO G/R

9-1-81

CCL 5500 246°

248°

250°

252°

254°

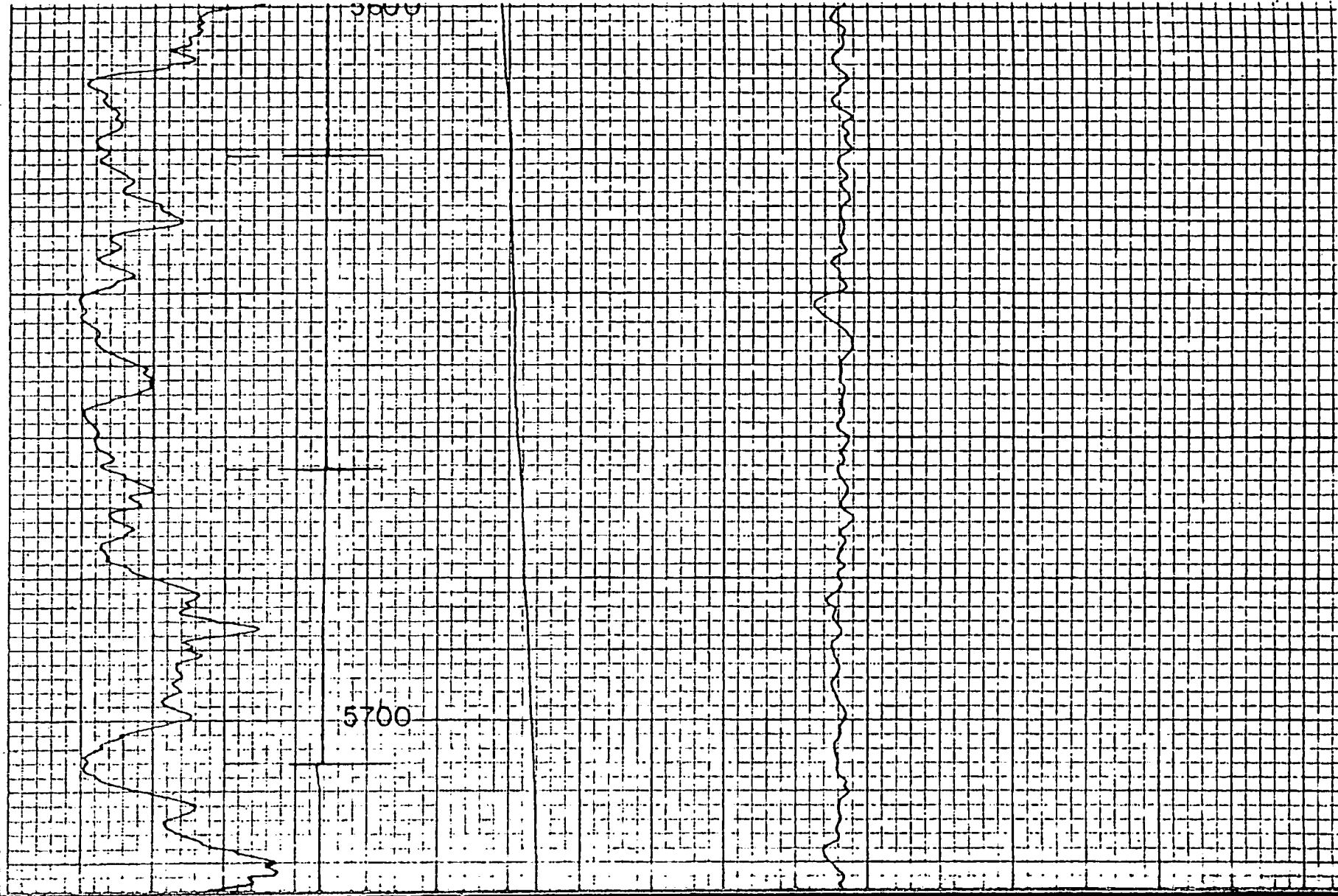
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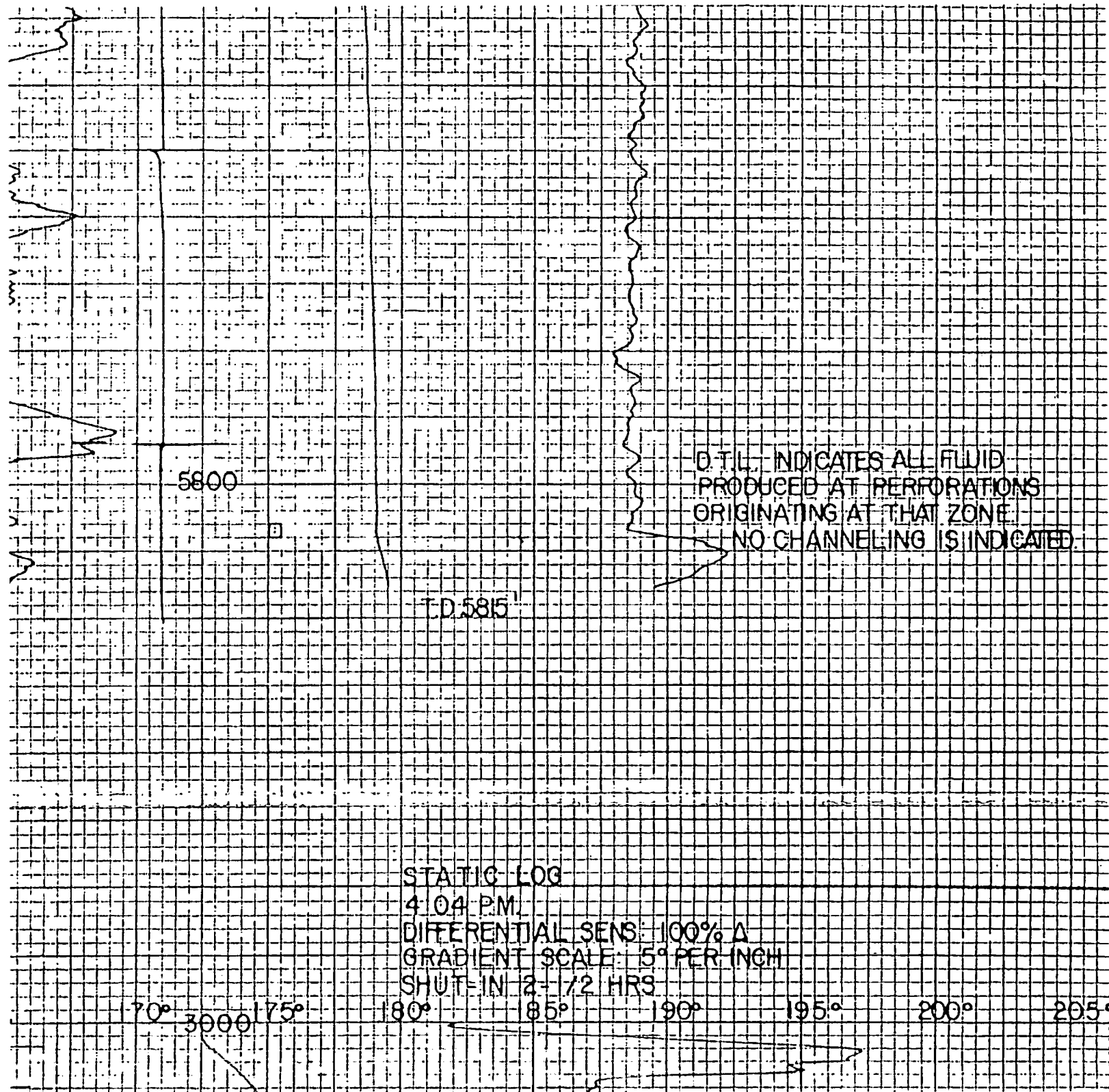
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MAR02-1053

MAR02-1054





MAR02-1055

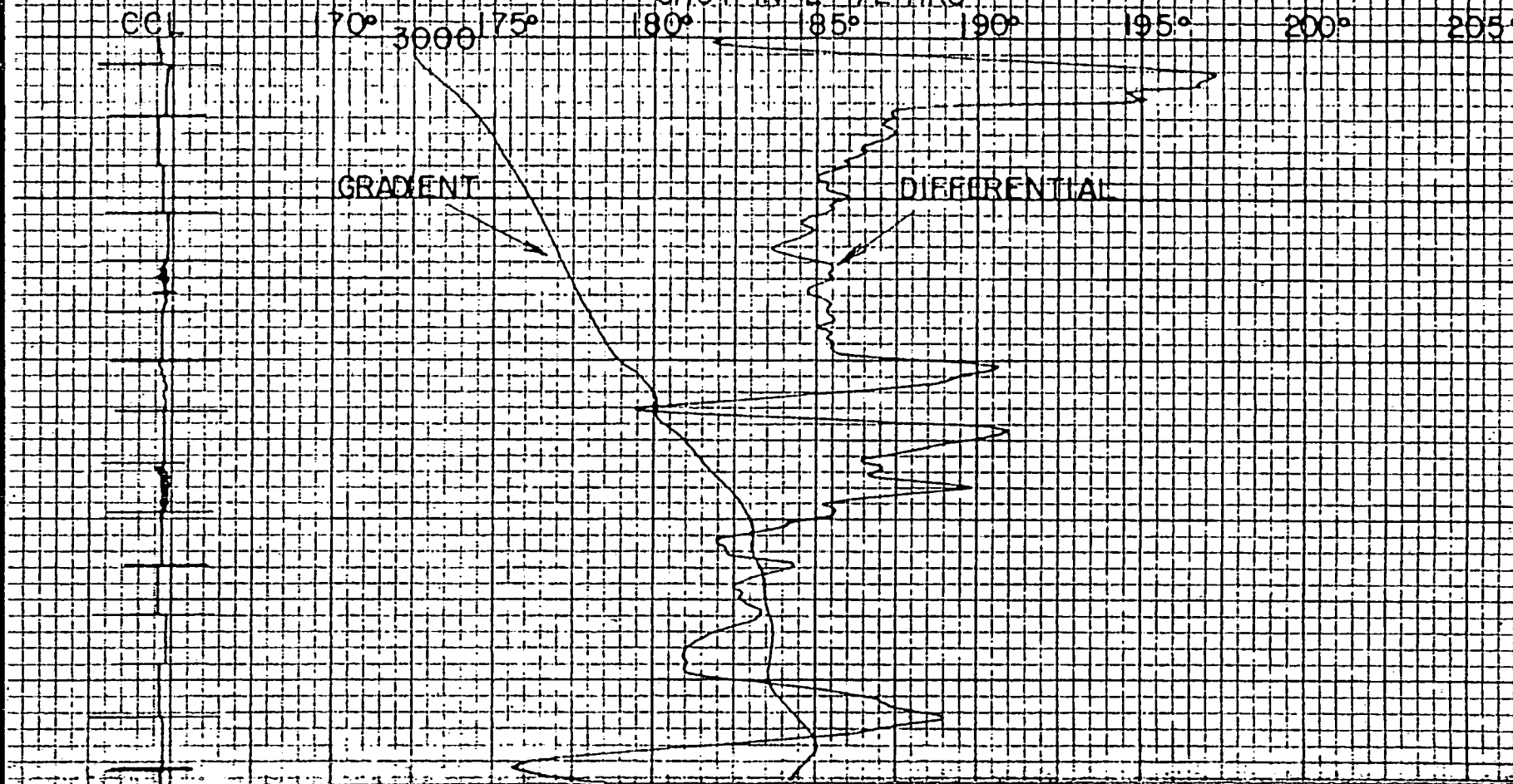
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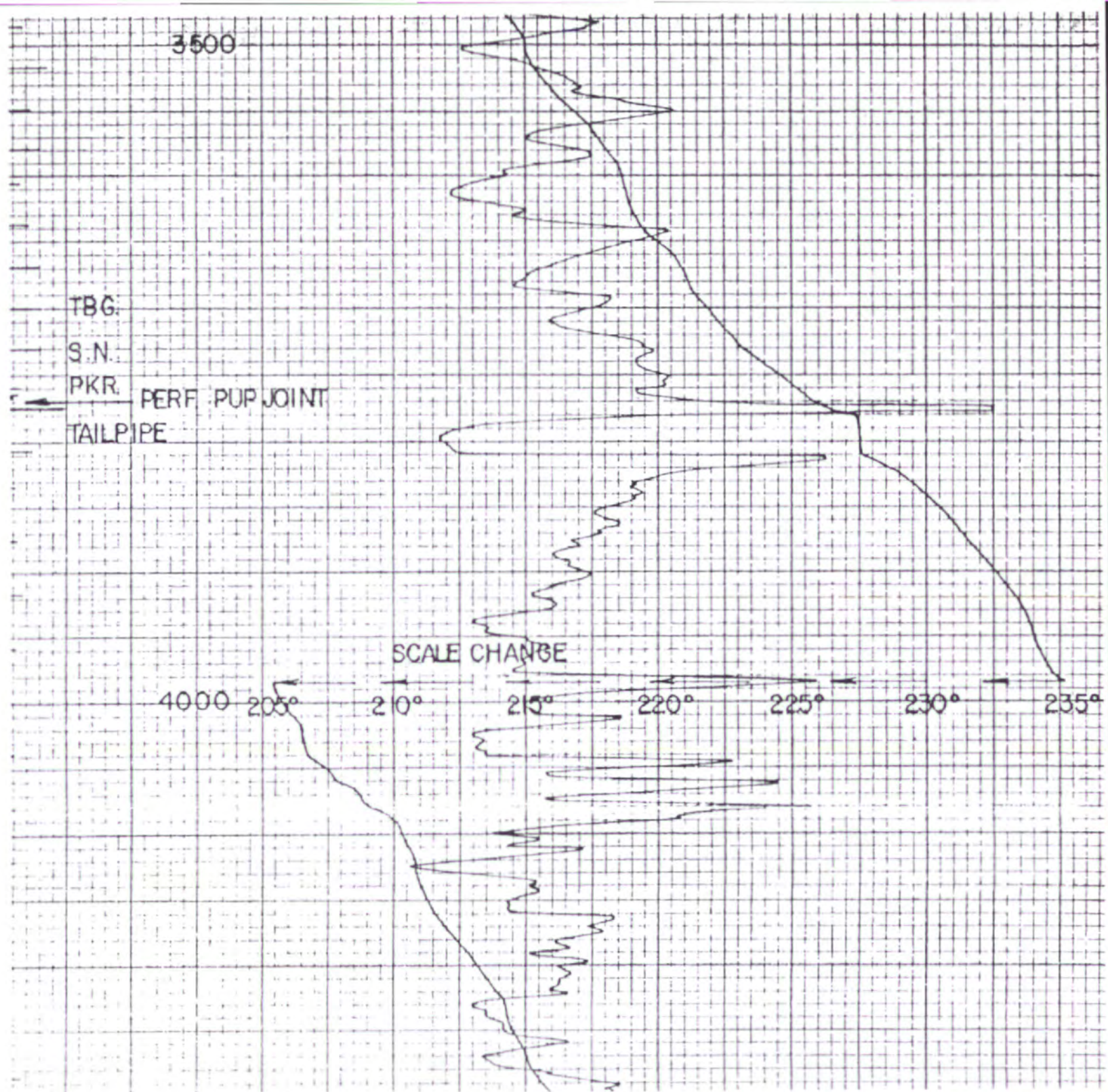
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GRADIENT SCALE: 5° PER INCH

SHUT-IN: 2 1/2 HRS

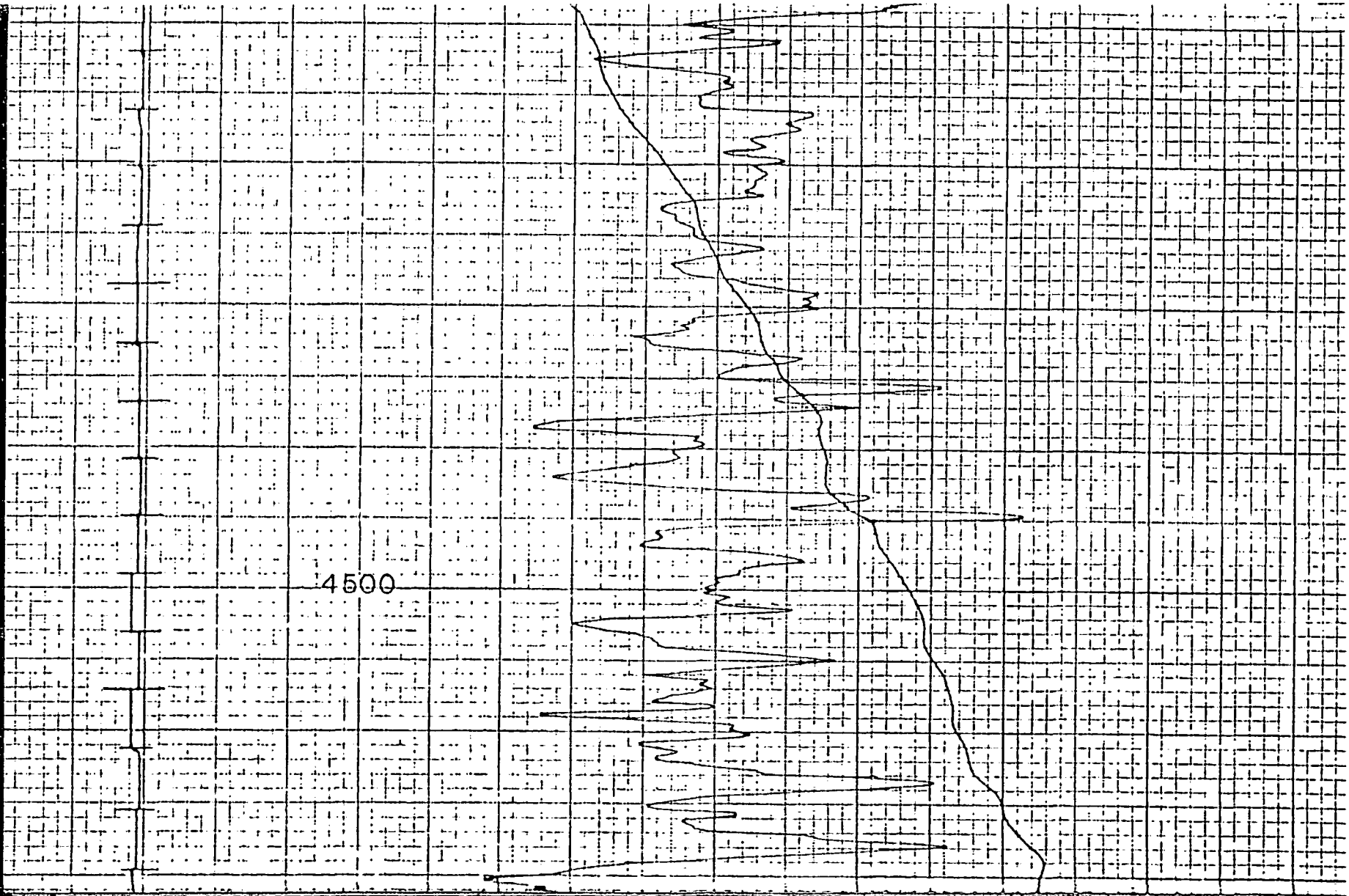


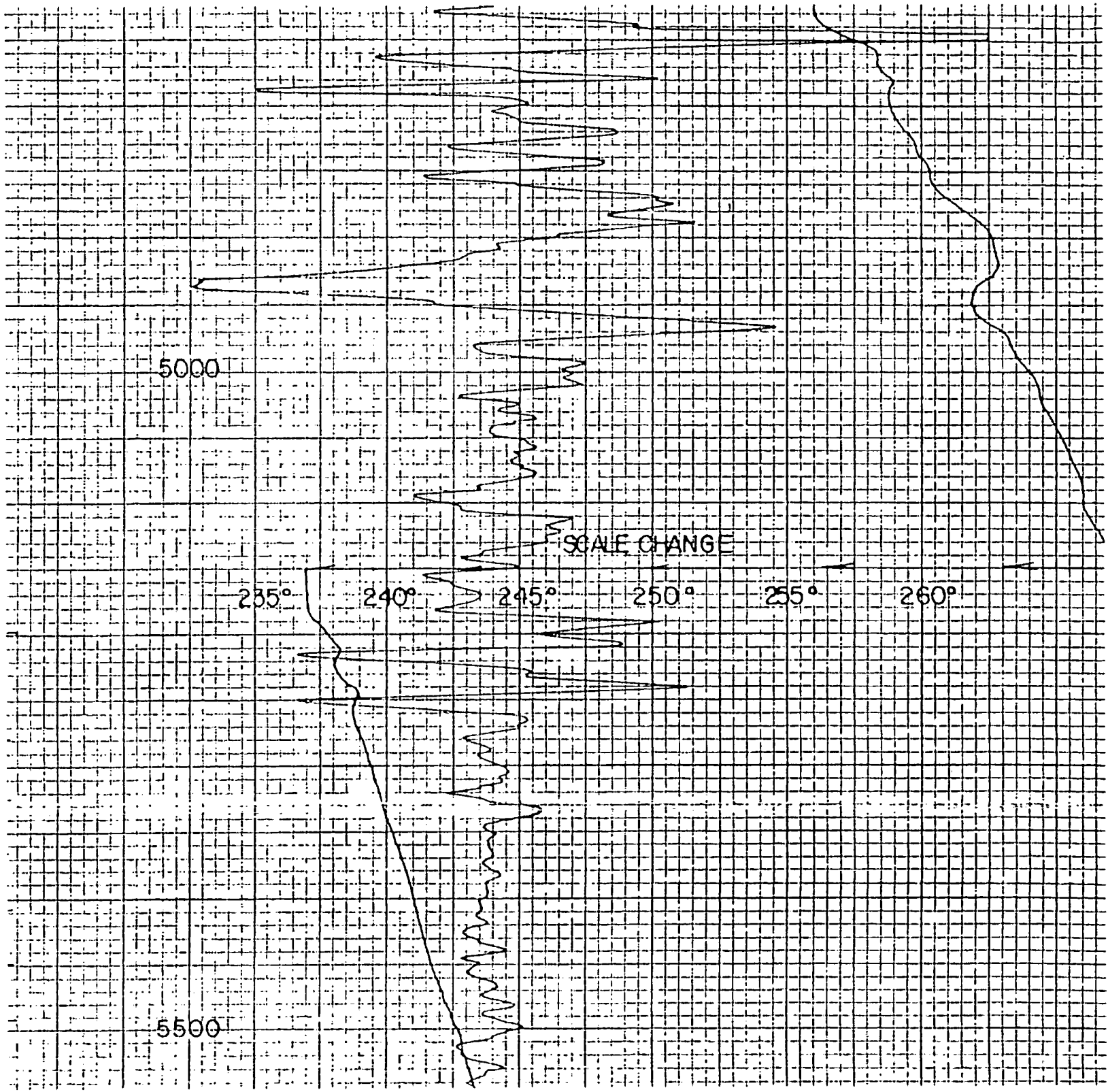
MAIR02-1056



MAR02-1057

MAR02-1058





MAR02-1059

5500

PERFS 5806-5808

TD 5820

STATIC LOG

2:28 P.M.

DIFFERENTIAL SENS 200% Δ

GRADIENT SCALE 2° PER INCH

SHUT-IN ONE HOUR

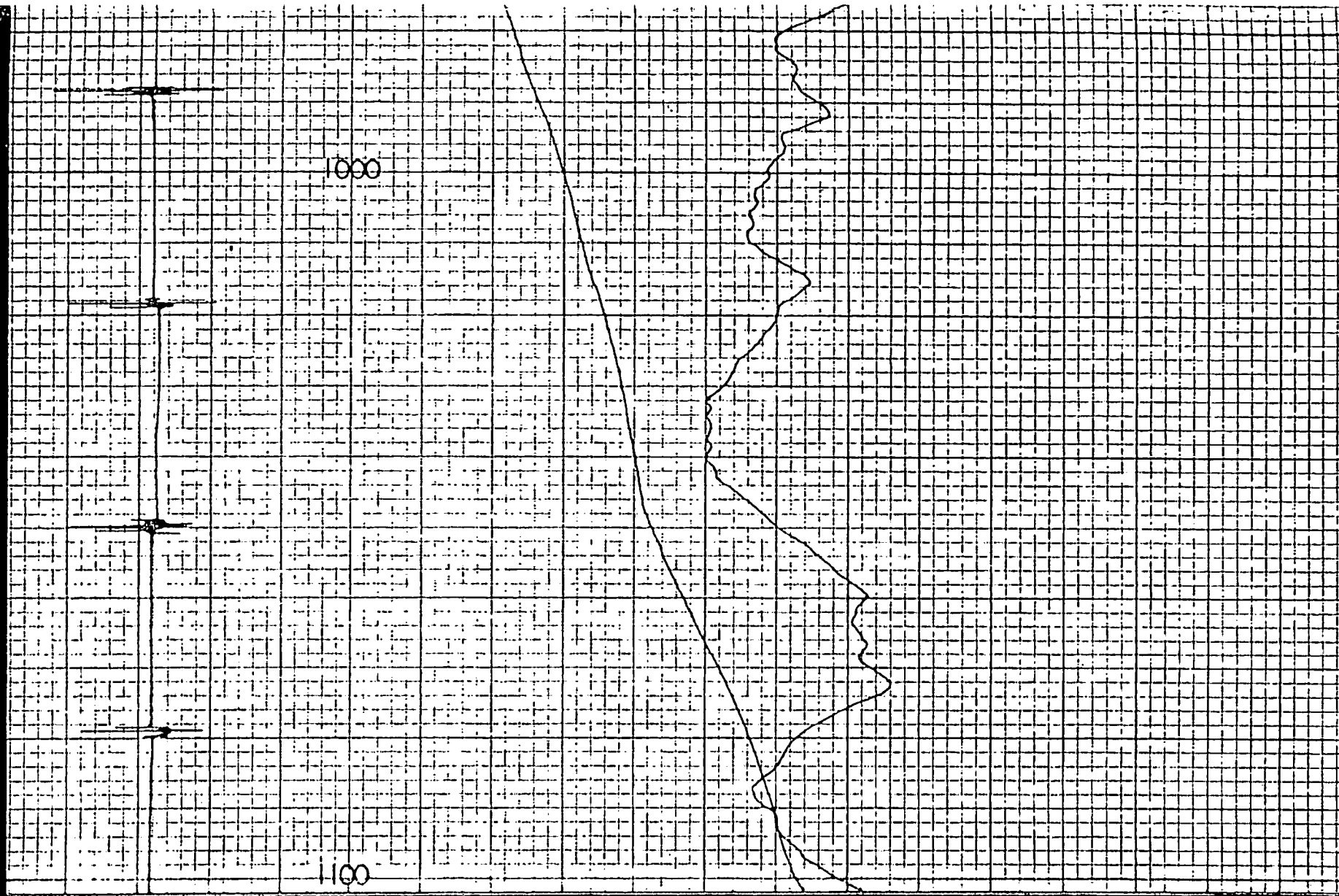
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GRADIENT

DIFFERENTIAL

1000

1062-02MAR





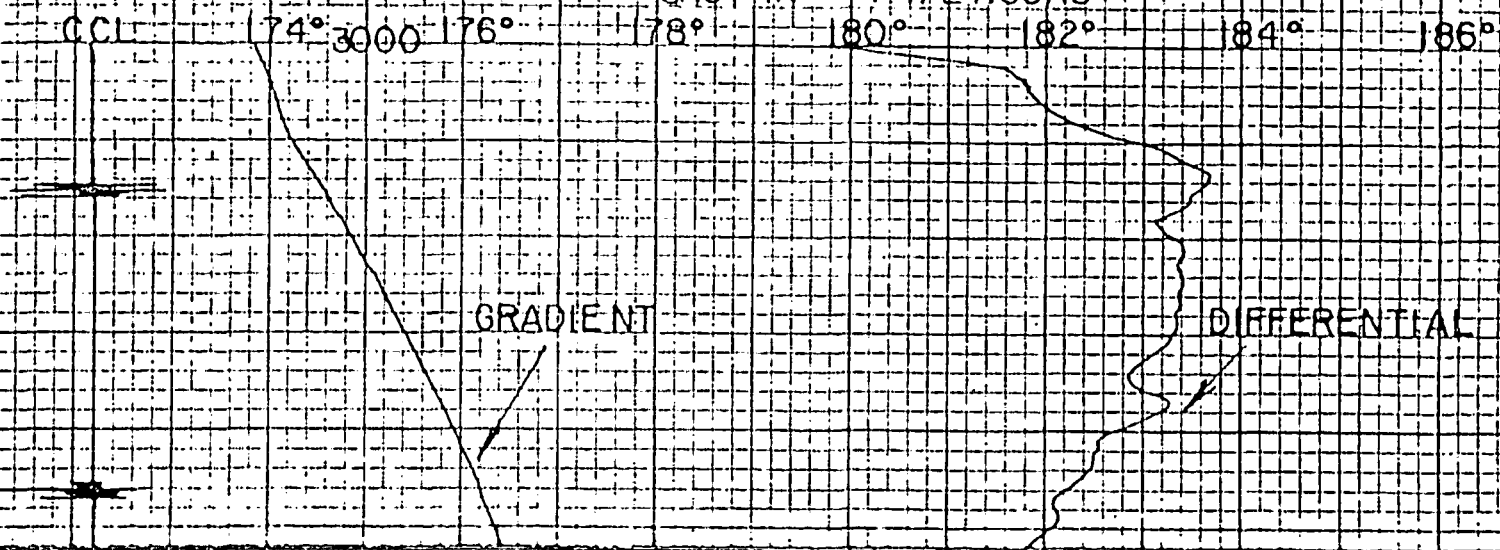
STATIC LOG

2:55 PM

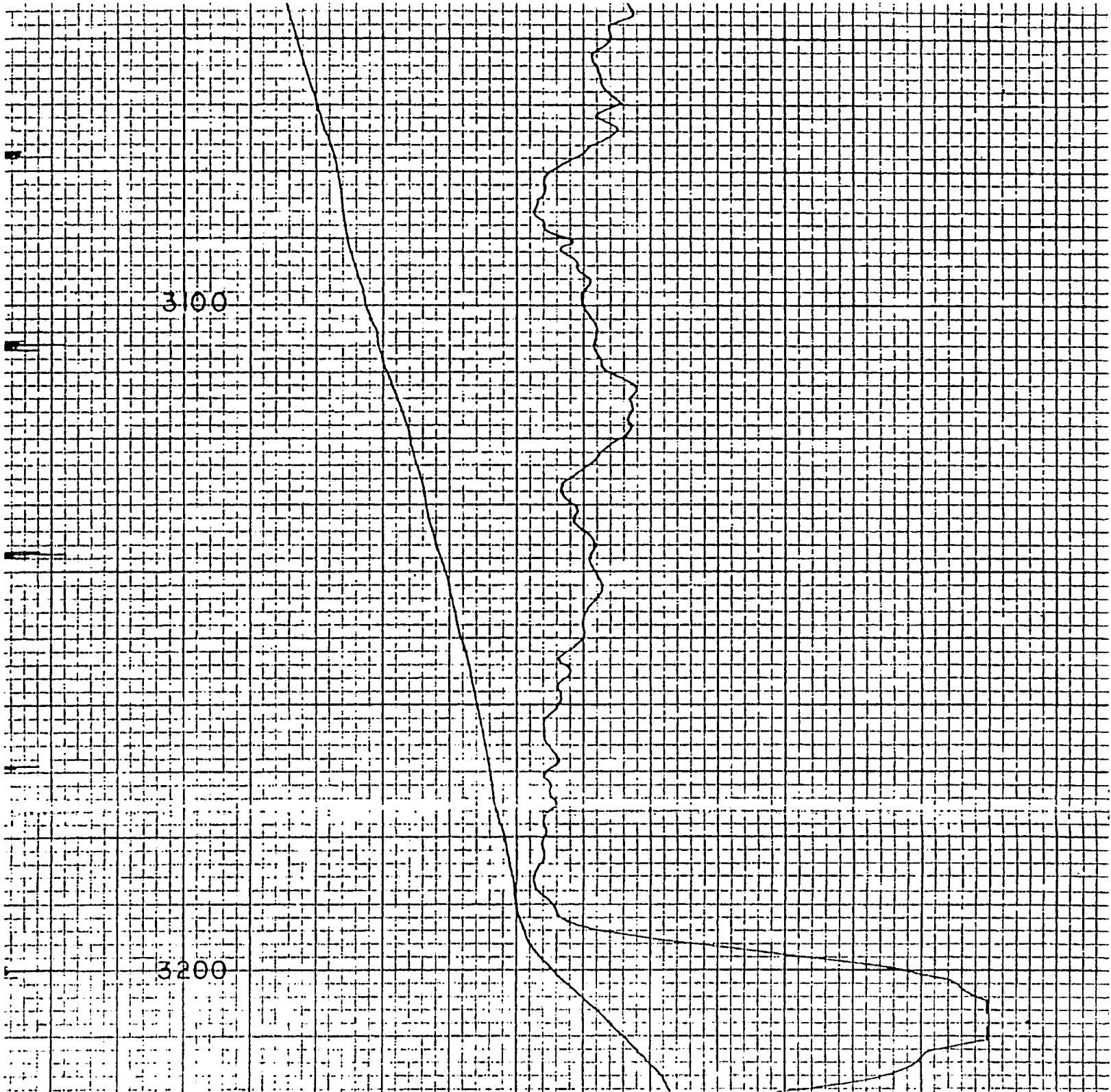
DIFFERENTIAL SENS: 200% A

GRADIENT SCALE: 2° PER INCH

SHUT-IN: 1 1/2 HOURS



MAR02-1064



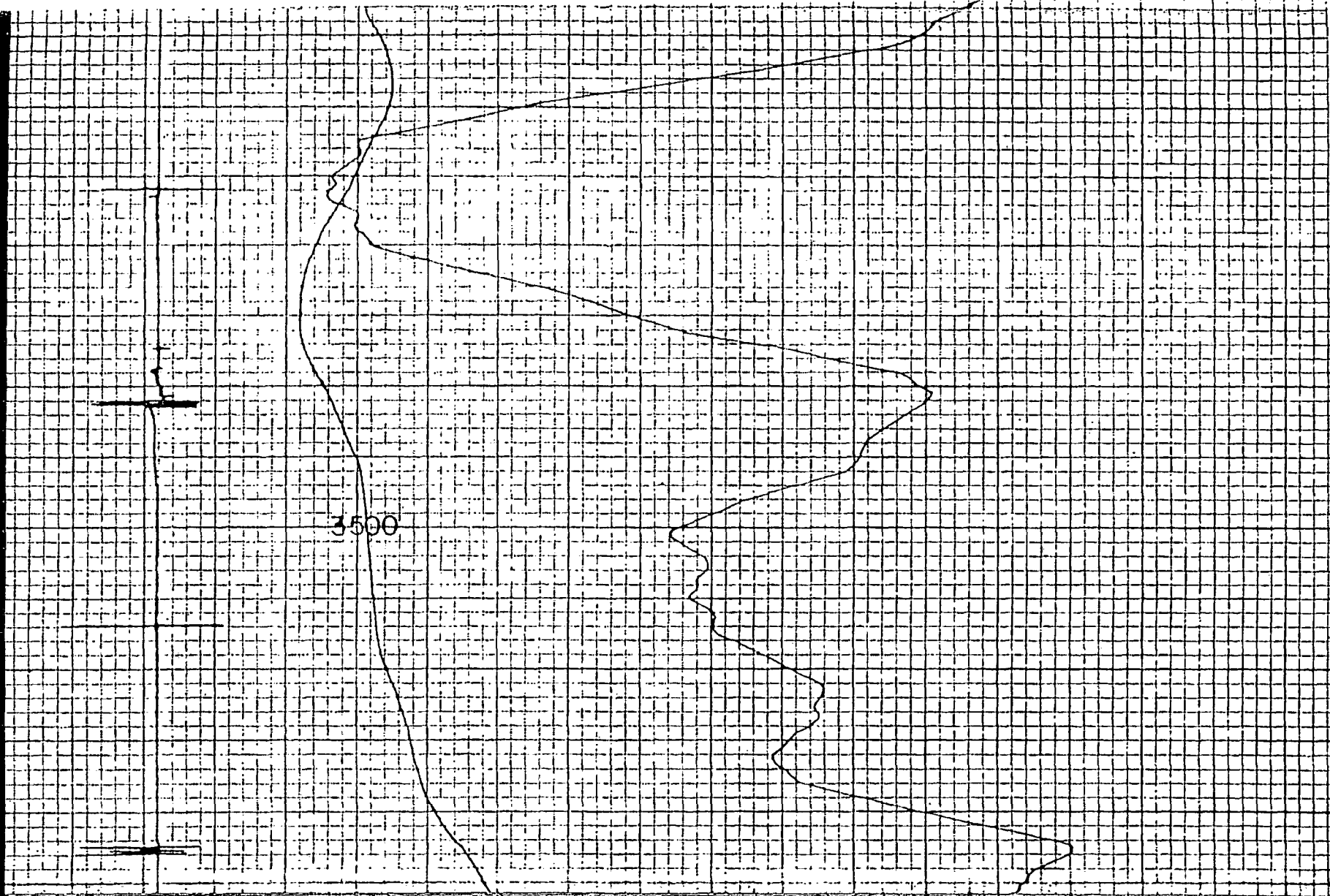
MAR02-1065

3200

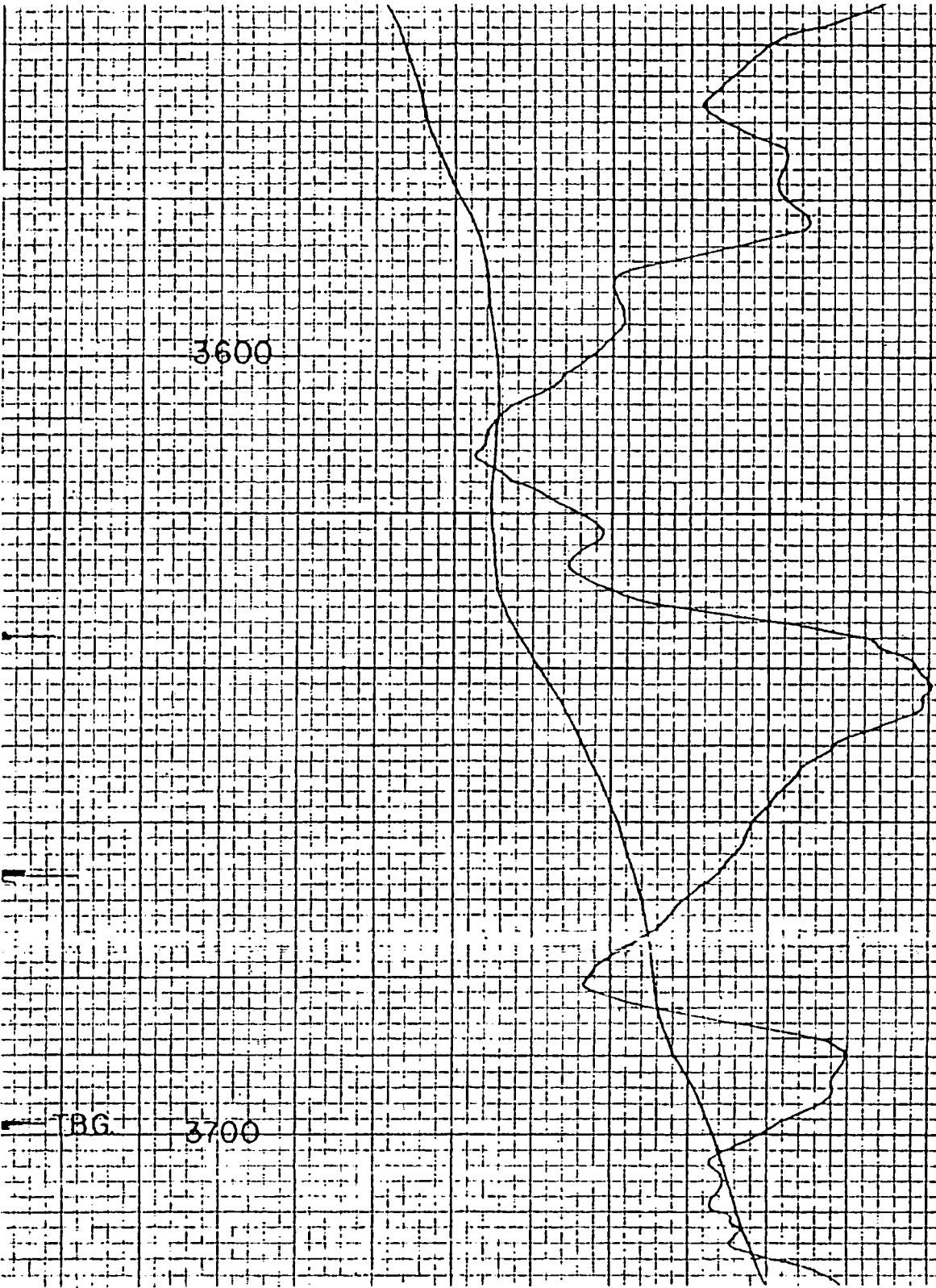
3300

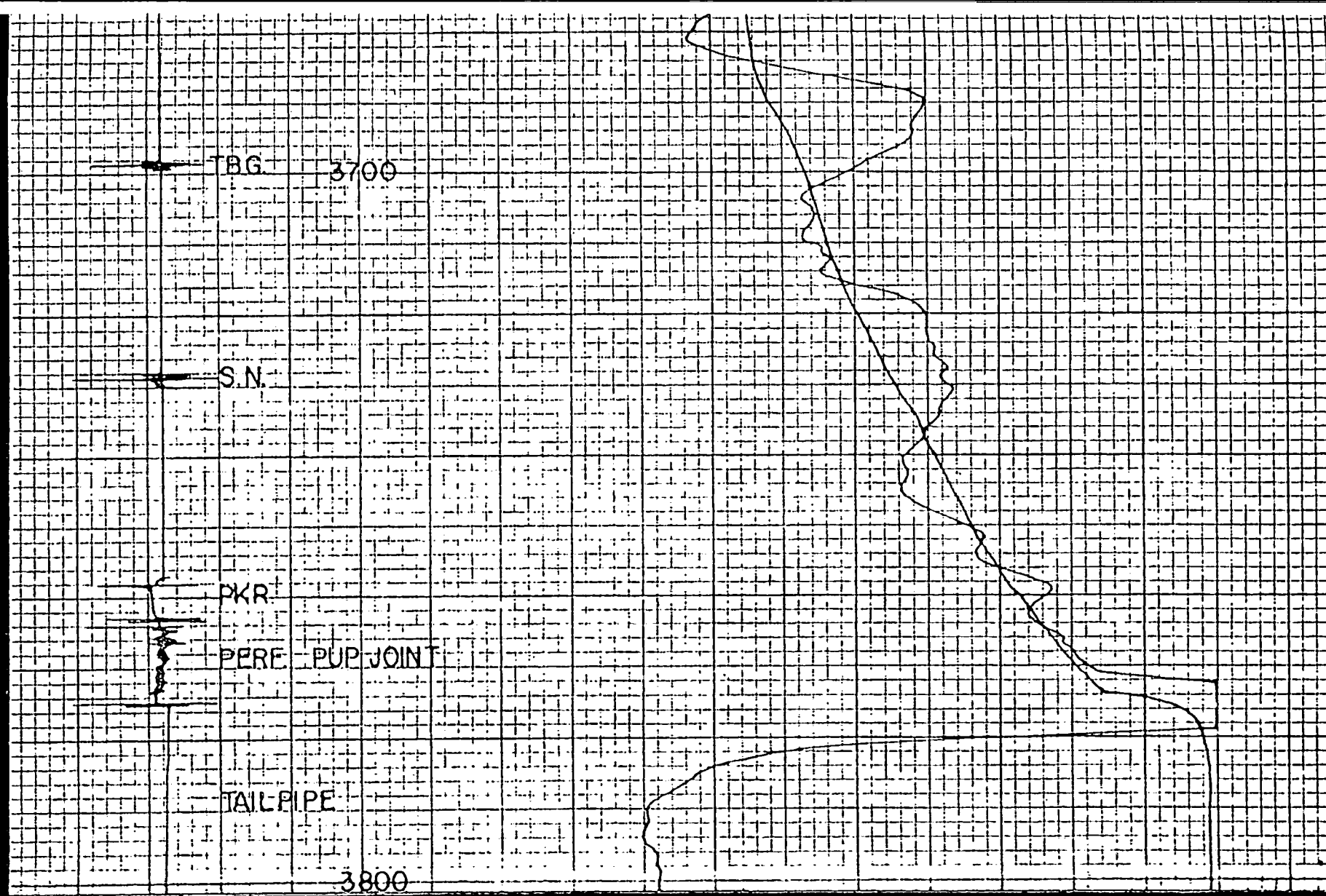
MAR02-1066



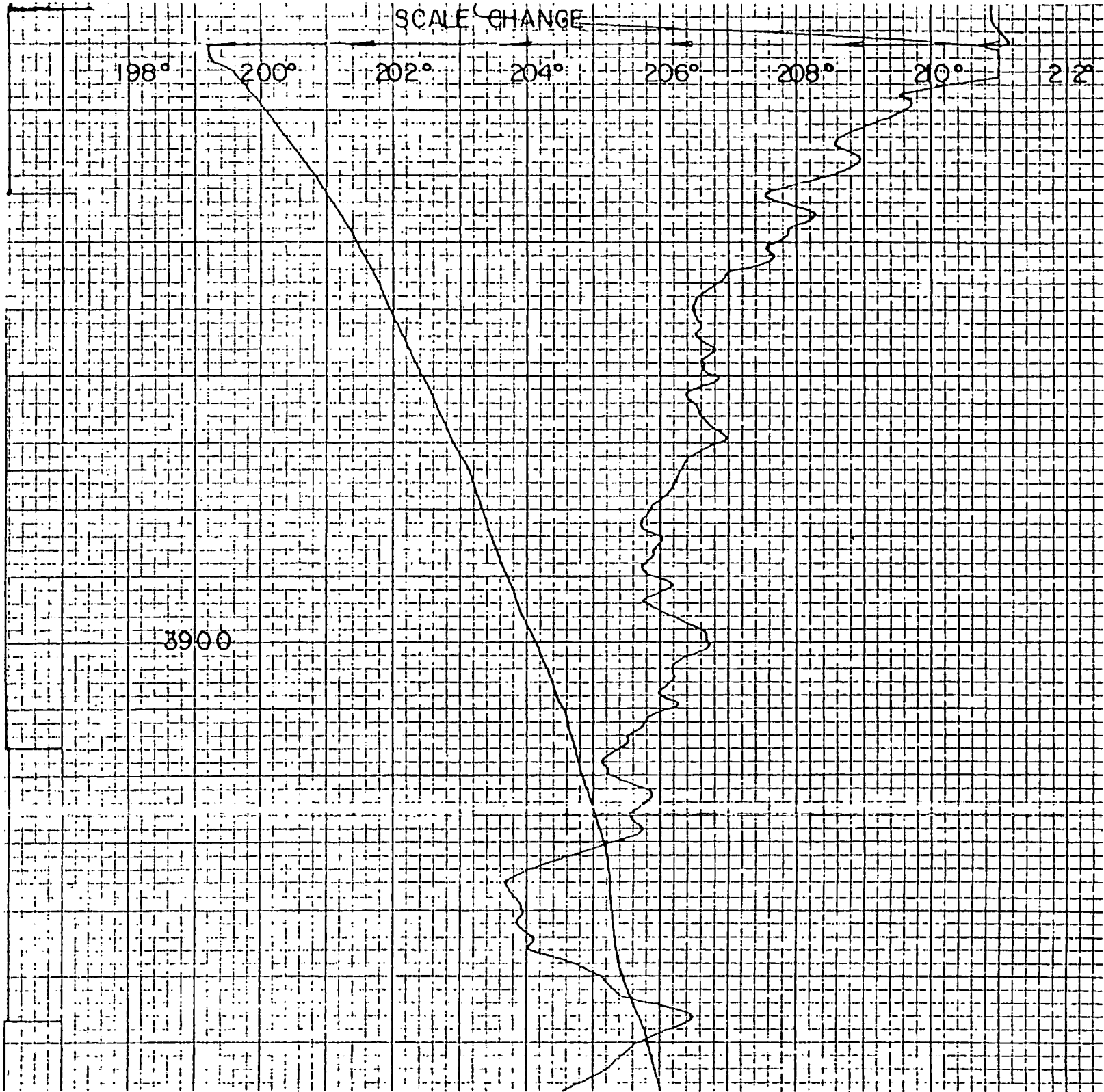


MAR02-1068





MAR02-1070



MAR02-1071

4000

MAR02-1072

22°

24°

26°

28°

SCALE CHANGE

4100

T.D. 4208

MAR02-1073

T.D. 4208

STATIC LOG

320 PM

DIFFERENTIAL SENS 200% Δ

GRADIENT SCALE 2° PER INCH

SHUT IN 2 HRS

GO G/R

9-1-81

CCL 242°

5500

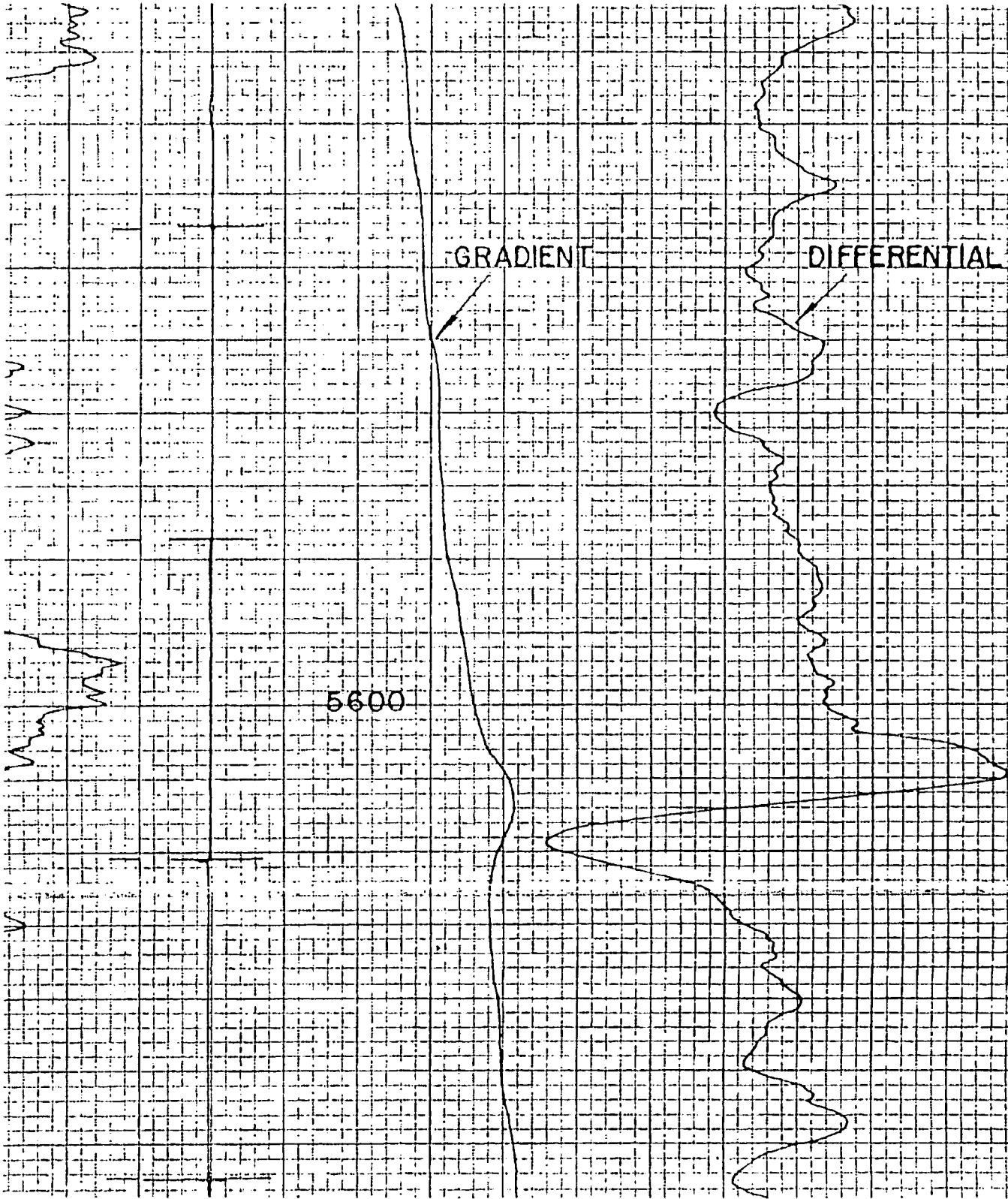
244°

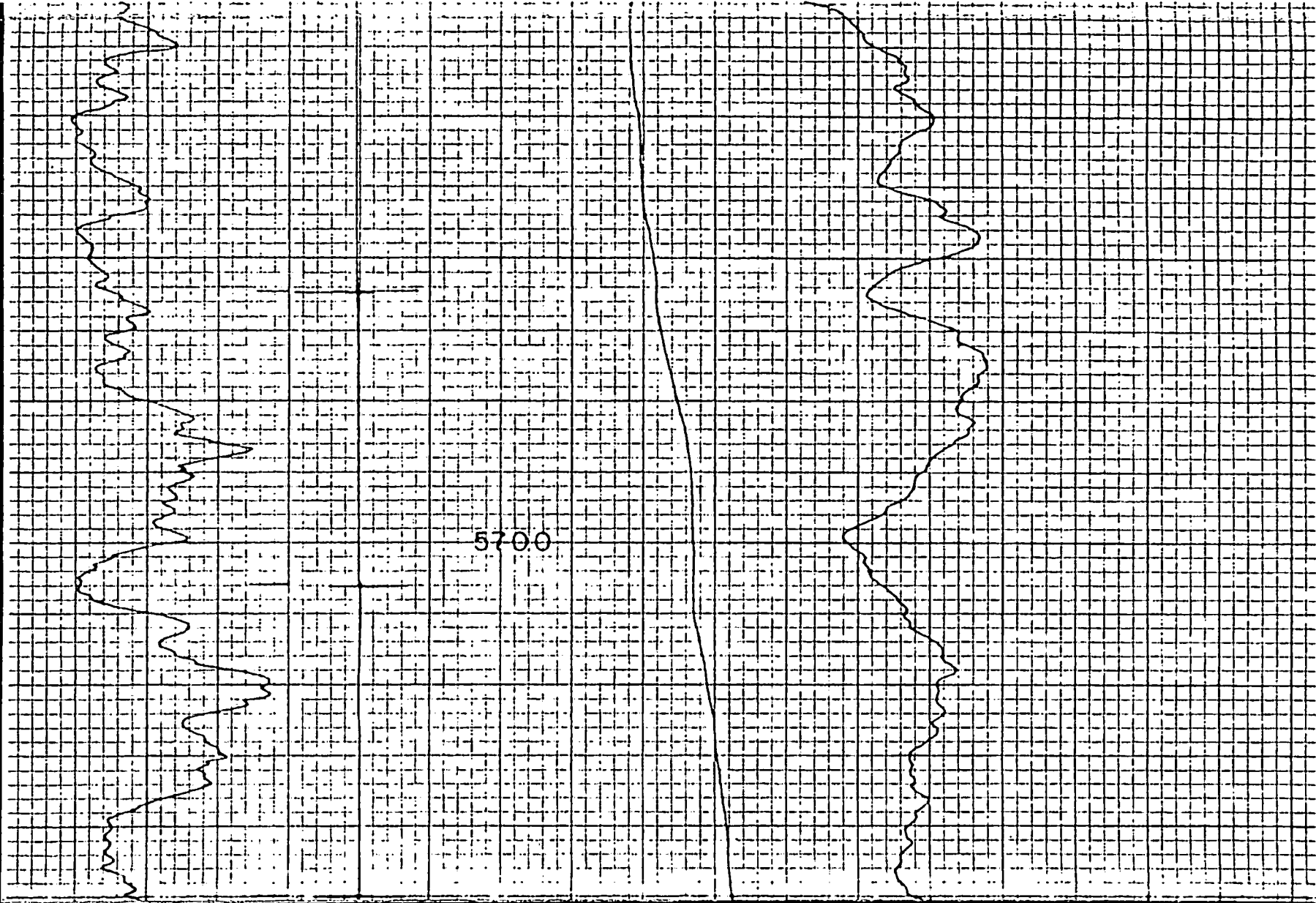
246°

248°

250°

MAR02-1074





MAR02-1076

